

Model: 08-4044-0010
Engine Compressor Washer

06/2024 – Rev. 06

For Spare Parts, Operations & Service Manuals or Service Needs
Scan the QR code or visit [Tronair.com/aftermarket](https://www.tronair.com/aftermarket)



The Tronair Group of Companies: Tronair | EBIS | Columbus Jack | Eagle | DAE | Malabar International

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REVISION	DATE	TEXT AFFECTED
OR	10/2001	Original Release
01	05/2005	pg 4 Modified Item 35 part number pg 7 Modified illustration
02	10/2009	Modified 3.3 Fluid System, Modified Parts List
03	07/2010	Revised engine
04	11/2022	Major revision
05	04/2024	Modified Parts List
06	06/2024	Modified Parts List

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This product can not be modified without the written approval of Tronair, Inc. Any modifications done without written approval voids all warranties and releases Tronair, Inc., its suppliers, distributors, employees, or financial institutions from any liability from consequences that may occur. Only Tronair OEM replacement parts shall be used.

1.0 PRODUCT INFORMATION

1.1 DESCRIPTION

The Model 08-4044-1010 Engine Compressor Washer will spray decontamination or cleaning fluid as required for engine compressor rinsing and/or cleaning. Follow engine manufacturer's instructions for application techniques.

- Trailer mounted
- 200 gallon capacity tank
- 10 gpm pump powered by a 6.5 Hp gasoline engine
- Spray wand with a 30 foot hose

1.2 MODEL & SERIAL NUMBER

Reference nameplate on unit

1.3 MANUFACTURER

TRONAIR, Inc.
1 Air Cargo Pkwy East
Swanton, Ohio 43558 USA

Telephone: (419) 866-6301 or 800-426-6301
Fax: (419) 867-0634
E-mail: sales@tronair.com
Website: www.tronair.com

2.0 SAFETY INFORMATION

2.1 USAGE AND SAFETY INFORMATION

To insure safe operations please read the following statements and understand their meaning. Also refer to your equipment manufacturer's manual for other important safety information. This manual contains safety precautions which are explained below. Please read carefully.



WARNING!

Warning is used to indicate the presence of a hazard that can cause **severe personal injury, death, and/or substantial property damage** if the Warning Notice is ignored.



CAUTION!

Caution is used to indicate the presence of a hazard, which will or can cause **minor personal injury or property damage** if the Caution Notice is ignored.

3.0 TRAINING

3.1 TRAINING REQUIREMENTS

The employer of the operator is responsible for providing a training program sufficient for the safe operation of the unit.

3.2 TRAINING PROGRAM

The employer provided operator training program should cover safety procedures concerning use of the unit in and around the intended aircraft at the intended aircraft servicing location.

3.3 OPERATOR TRAINING

The operator training should provide the required training for safe operation of the unit.

NOTE: Maintenance and Trouble Shooting are to be performed by a skilled and trained technician.

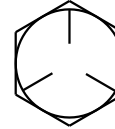
4.0 ASSEMBLY INSTRUCTIONS

4.1 GENERAL

This product should be assembled and/or repaired as applicable, using good workmanship practices and proper tools. Bolts and elastic stopnuts should be tightened to a torque not to exceed standards for Grade '5' bolts.

Bolt Torque	
Size	Ft-lbs
5/16-24	20
3/8-24	35
1/2-20	85

SAE Classification
Grade 5



All replacement parts must be the same as or equal to

Markings on top of bolt head indicate grade.

4.2 ASSEMBLY

This unit is shipped fully assembled and ready for your use. See **5.0 Operation** prior to starting engine.

5.0 OPERATION

5.1 SAFETY



WARNING!

High pressure sprays can cause serious bodily injury.



CAUTION!

- ALWAYS grasp wand firmly before starting to spray. During operation, hold wand firmly and exercise care and caution in handling spray wand.
- ALWAYS exercise care in towing trailer. When trailer is to be removed from towing vehicle, chock wheels of trailer prior to disconnecting.
- NEVER put hand or fingers in front of wand or point wand at your body or at anyone else.
- NEVER refuel gasoline tank while engine is running.
- NEVER operate system if there are any leaks because high pressure leaks can cause bodily harm.
- BE SURE to read operating instructions including those for both engine and pump prior to starting unit.
- BE SURE to perform periodic cleaning, maintenance and parts replacement in accordance with manufacturer's recommendations.

5.2 ENGINE SYSTEM

Refer to **Appendix I** for engine operating instructions in addition to the following:

- Check and assure proper engine oil level before each operation.
- Check reduction gear oil level periodically depending on usage.

5.3 FLUID SYSTEM



WARNING!

Pump must never be run dry for greater than one minute, refer to **Appendix II**.

5.3.1 To Prime Pump

The pump must be primed by the following procedure:

1. With the tank level, fill one-quarter (1/4) full with fluid.
2. Loosen relief valve locking nut by turning counter-clockwise until the internal spring is free.
3. Start engine and allow pump to re-circulate fluid back to the tank, thereby forcing air from the pump and lines. Then place the hand gun in the tank opening and depress handle to remove air from the discharge hose.
4. When the system has been fully primed, turn the relief valve adjusting handle clockwise until the desired spray pattern has been reached. Tighten locknut by turning clockwise.

5.3.2 To Clean Pump Suction Strainer

1. Shut off engine/pump.
2. Loosen and remove 3/8 inch hex head plug from strainer and allow fluid to back flush strainer. Re-install and tighten.

5.4 TRAILER SYSTEM

- Exercise care when towing trailer. Maximum towing speed is 10 mph.
- When trailer is to be removed from towing vehicle, chock wheels prior to disconnecting.

6.0 MAINTENANCE**6.1 ENGINE SYSTEM**

Refer to **Appendix I** for engine maintenance information.

6.2 FLUID SYSTEM

Refer to **Appendix II** for pump maintenance information.

6.3 TRAILER SYSTEM

Lubricate wheel bearings periodically with general purpose lithium bearing grease.

7.0 STORAGE**7.1 GENERAL**

A. Reference **Appendix I** for engine storage information.

B. If unit is to be stored:

1. Empty tanks by running pump until there is no flow through the wand.
2. If there is a potential of temperatures reaching freezing, pour one to two (1 to 2) gallons of anti-freeze into smaller tank at tow end of unit. Start engine and run pump until anti-freeze flows through the wand.
3. Store in dry area.

8.0 PROVISION OF SPARES**8.1 SOURCE OF SPARE PARTS**

Spare parts may be obtained from the manufacturer:

TRONAIR, Inc.

1 Air Cargo Pkwy East

Swanton, Ohio 43558 USA

Telephone: (419) 866-6301 or 800-426-6301

Fax: (419) 867-0634

E-mail: sales@tronair.com

Website: www.tronair.com

For Spare Parts, Operations & Service Manuals or Service Needs:

Scan the QR code or visit Tronair.com/aftermarket

**8.2 RECOMMENDED SPARE PARTS LISTS**

Reference the following page(s) for Replacement Parts and Kits available.

9.0 IN SERVICE SUPPORT

Contact Tronair, Inc. for technical services and information. See Section 1.3 – Manufacturer.

10.0 GUARANTEES/LIMITATION OF LIABILITY

Tronair products are warranted to be free of manufacturing or material defects for a period of one year after shipment to the original customer. This is solely limited to the repair or replacement of defective components. This warranty does not cover the following items:

- a) Parts required for normal maintenance
- b) Parts covered by a component manufacturers warranty
- c) Replacement parts have a 90-day warranty from date of shipment

If you have a problem that may require service, contact Tronair immediately. Do not attempt to repair or disassemble a product without first contacting Tronair, any action may affect warranty coverage. When you contact Tronair be prepared to provide the following information:

- a) Product Model Number
- b) Product Serial Number
- c) Description of the problem

If warranty coverage is approved, either replacement parts will be sent or the product will have to be returned to Tronair for repairs. If the product is to be returned, a Return Material Authorization (RMA) number will be issued for reference purposes on any shipping documents. Failure to obtain a RMA in advance of returning an item will result in a service fee. A decision on the extent of warranty coverage on returned products is reserved pending inspection at Tronair. Any shipments to Tronair must be shipped freight prepaid. Freight costs on shipments to customers will be paid by Tronair on any warranty claims only. Any unauthorized modification of the Tronair products or use of the Tronair products in violation of cautions and warnings in any manual (including updates) or safety bulletins published or delivered by Tronair will immediately void any warranty, express or implied.

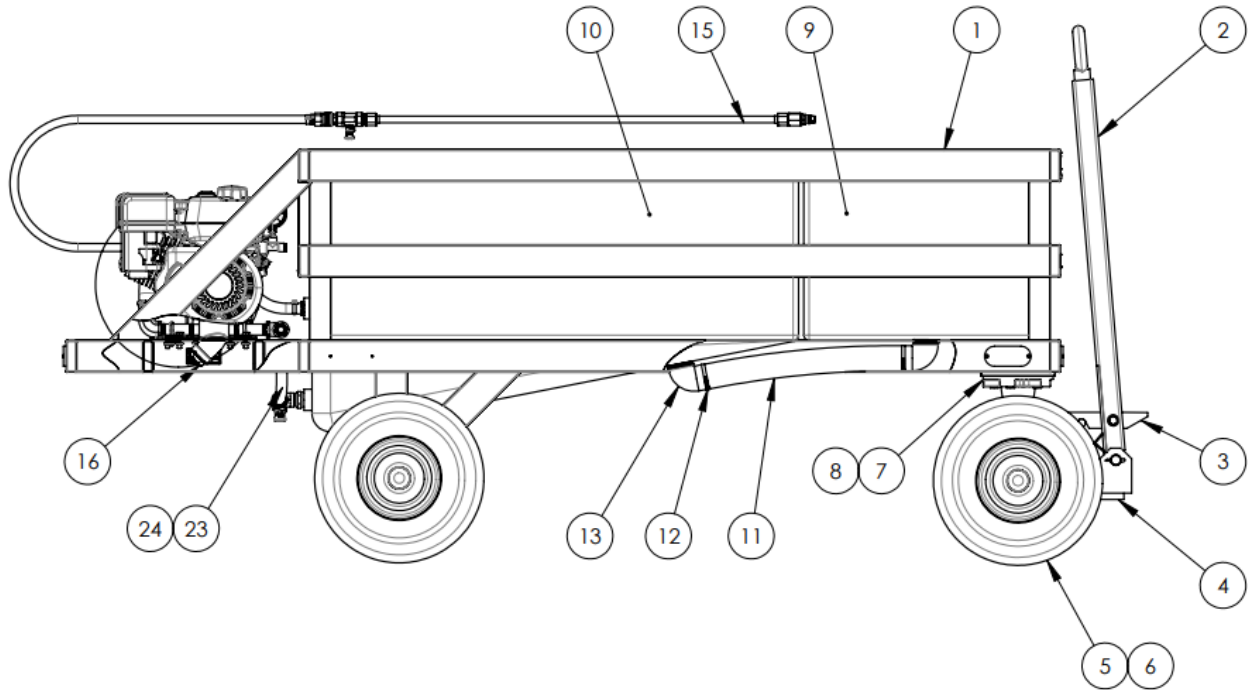
The obligations of Tronair expressly stated herein are in lieu of all other warranties or conditions expressed or implied. **Any unauthorized modification of the Tronair products or use of the Tronair products in violations of cautions and warnings in any manual (including updates) or safety bulletins published or delivered by Tronair will immediately void any warranty, express or implied and Tronair disclaims any and all liability for injury (WITHOUT LIMITATION and including DEATH), loss or damage arising from or relating to such misuse.**

11.0 APPENDICIES

- APPENDIX I Hypro Gasoline Engines Manual
- APPENDIX II UDOR Diaphragm Pumps Manual

Parts List

When ordering replacement parts/kits, please specify model, serial number and color of your unit.



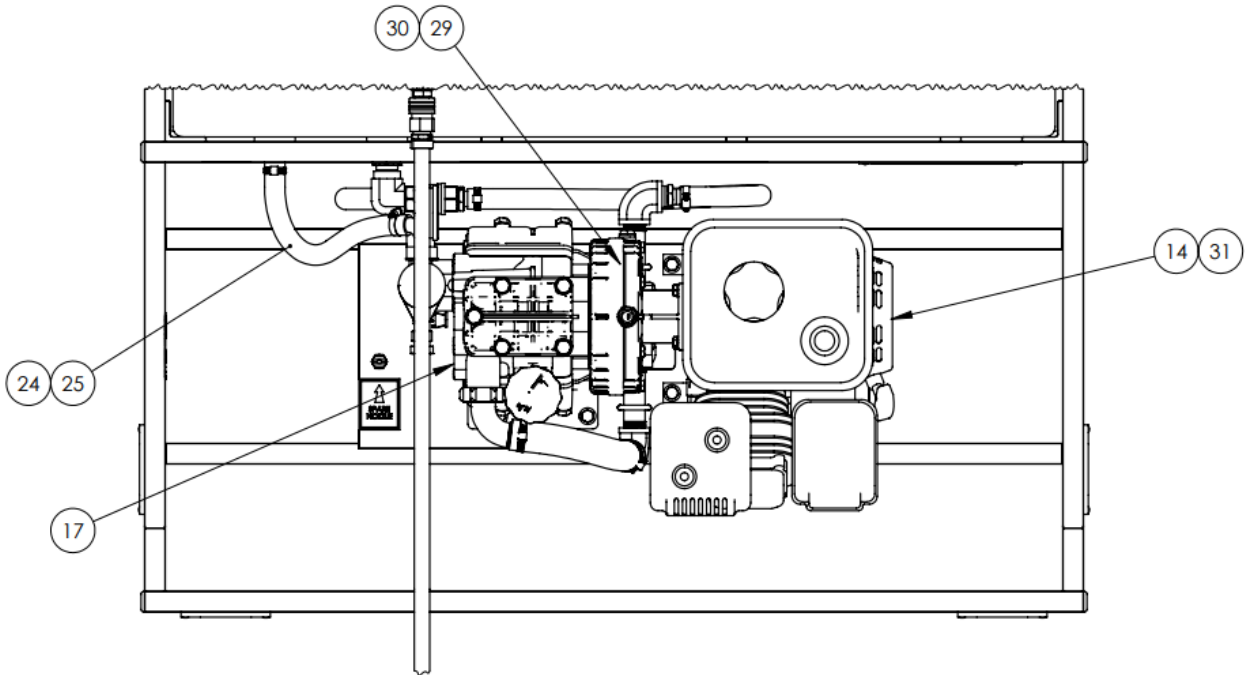
Parts List

When ordering replacement parts/kits, please specify model, serial number and color of your unit.

Item	Part Number	Description	Qty
1	Z-5517-00	WELDMENT, FRAME	1
4	Z-1633-00	WELDMENT, TRUCK	1
5	U-1010	WHEEL	4
9	H-1670	TANK, 68 GALLON	1
10	H-1542	TANK, 136 GALLON	1
11	TF-1006*21.0	HOSE, 2" I.D. X 21" LONG	1
12	H-1426-09	HOSE CLAMP	2
13	N-1504-06	ELBOW, 2"	2
15	Z-11810	ASSEMBLY, SPRAY WAND	1
16	WC-1004	STRAINER	1
23	TF-1143-12-24.0	HOSE, LOW PRESSURE	1
24	H-1426-04	HOSE CLAMP	REF
2	K-1781	KIT, TOWBAR REPLACEMENT ; consists of:	
	G-1301-05	PIN, COTTER, 5/32" DIAMETER X 1 1/2" LONG	2
	J-1496	LEVER, LOCKING	1
	R-1159	PIN, TOWBAR	1
	Z-1635-01	WELDMENT, TOWBAR	1
3	K-1631	KIT, LOCKING LEVER REPLACEMENT ; consists of:	
	G-1100-109526	BOLT, HEX HEAD, GRADE 5, 1/2-20 X 2 3/4" LONG	1
	G-1202-1095	STOPNUT, 1/2-20 ELASTIC	1
	G-1250-1090N	FLATWASHER, 1/2 NARROW	1
	J-1496	LEVER, LOCKING	1
6	K-1633	KIT, WHEEL & BEARING REPLACEMENT ; consists of	
	G-1230-01	NUT, AXLE, 1"-14 NF	1
	H-1155-01	CAP, DUST	1
	H-1559-01	BEARINGS	2
	H-1561-05	SEAL, GREASE	1
	H-1676-01	CUPS, BEARING	2
7	K-1645	KIT, HUB REPLACEMENT ; consists of:	
	G-1202-1095	STOPNUT, 1/2-20 ELASTIC	5
	G-1230-01	NUT, AXLE, 1"-14 NF	1
	G-1250-1090N	FLATWASHER, 1/2 NARROW	5
	G-1279	WASHER, SPINDLE WITH TONGUE	1
	G-1301-05	PIN, COTTER, 5/32" DIAMETER X 1-1/2" LONG	1
	Z-1941	ASSEMBLY, HUB	1
8	K-1634	KIT, BEARING & SEAL ; consists of:	
	H-1561-06	SEAL, GREASE	1
	H-1559-01	BEARING	1
	H-1559-10	BEARING	1
	H-1676-01	CUPS, BEARING	1
	H-1676-05	CUPS, BEARING	1
	H-1155-01	CAP, DUST	1
	G-1301-05	PIN, COTTER, 5/32" DIAMETER X 1-1/2" LONG	1
	G-1279	NUT, AXLE, 1"-14 NF	1
	G-1301-05	WASHER, SPINDLE	1

Parts List

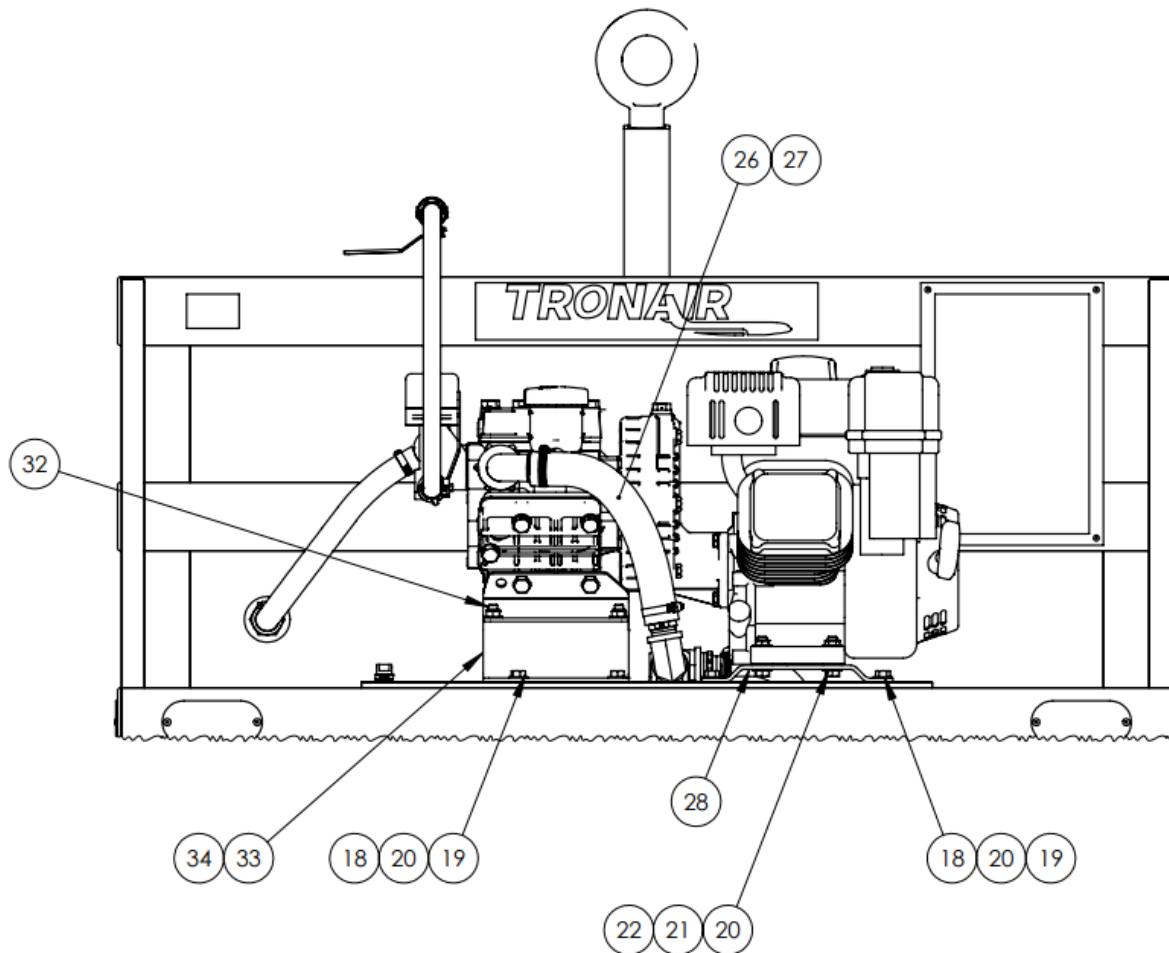
When ordering replacement parts/kits, please specify model, serial number and color of your unit.



Item	Part Number	Description	Qty
14	H-5011	ENGINE, 6.5 H.P.	1
17	H-5294	PUMP	1
24	H-1426-04	HOSE CLAMP	4
25	TF-1143-12-22.0	HOSE, LOW PRESSURE	1
29	G-1009-08	U-BOLT	2
30	G-1202-1055	STOPNUT, 1/4-28 ELASTIC	4
31	G-1250-1050N	FLATWASHER, 1/2 NARROW	4
32	J209-01-001.35	KEY, 3/16 SQ. X 1.35" LG	1
N/S	K-5586	KIT, DIAPHRAGM REPLACEMENT	
N/S	K-5587	KIT, PUMP VALVE REPLACEMENT	

Parts List

When ordering replacement parts/kits, please specify model, serial number and color of your unit.



Item	Part Number	Description	Qty
18	G-1100-107512	BOLT, HEX HEAD, GRADE 5, 3/8-24 X 1-1/2" LONG	8
19	G-1202-1075	STOPNUT, 3/8-24 ELASTIC	12
20	G-1250-1070N	FLATWASHER, 3/8 NARROW	32
21	G-1100-107514	BOLT, HEX HEAD, GRADE 5, 3/8-24 X 1-1/2" LONG	4
22	G-1203-1075	JAMNUT, 3/8-24	4
26	TF-1143-16-09.0	HOSE, LOW PRESSURE	1
27	H-1426-07	HOSE CLAMP	2
28	S-4321	ENGINE MOUNTING BRACKET	1
33	J-8819	PLATE, PUMP SUPPORT	1
34	G-1515-M80	FLATWASHER, M8	3
35	G-1100-107510	BOLT, 3/8-24 X 1.0" HEX HD GR 5	4
36	J-8847	MOUNTING BRACKET	1
37	J-8848	MOUNTING BRACKET	1



APPENDIX I

Hypro Gasoline Engines Manual

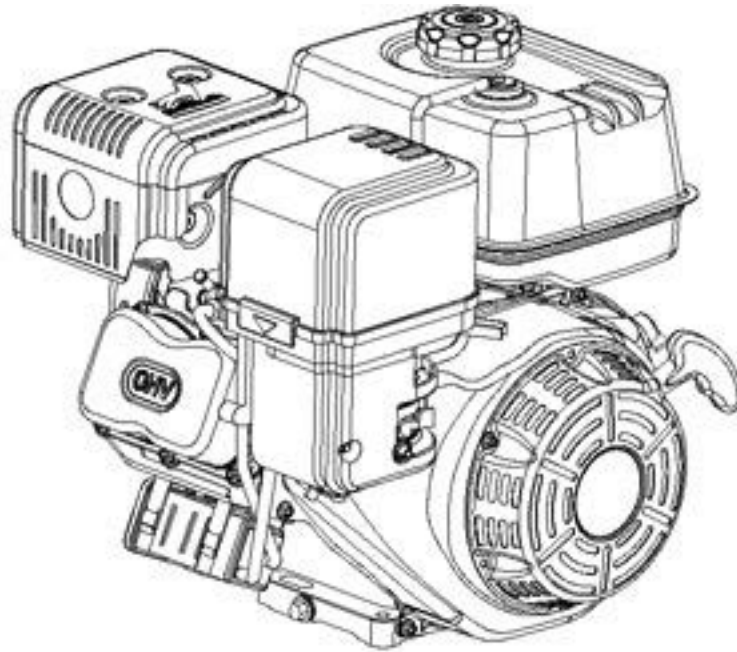


HYPRO®

PowerPro Gasoline Engines

Form L-1512
5/12, Rev. B

Operation, Repair, and Parts Manual



PowerPro Model Number 200 and 390

- HY200 (6.5 hp) - 2541-0045 (3/4" keyed shaft)
2541-0046 (5/8" threaded shaft)
- HY390 (13.0 hp) - 2541-0048 (1" keyed shaft)
2541-0049 (1" keyed shaft w/electric start)
2541-0050 (1" threaded shaft)
2541-0051 (1" threaded shaft w/electric start)

Note: Unit is not shipped with oil. Please add oil to engine prior to operating.

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READ THIS OWNER'S MANUAL CAREFULLY. Pay special attention to these symbols and any instructions that follow:

⚠ DANGER Indicates serious injury or death will result if instructions are not followed.

⚠ WARNING Indicates a strong possibility that serious injury or death could result if instructions are not followed.

⚠ CAUTION Indicates a possibility that minor injury could result if instructions are not followed.

NOTICE Indicates that equipment or property damage can result if instructions are not followed.

NOTE Gives helpful information.

Engine Safety Information

▲ California Proposition 65 Warning -- This product and related accessories contain chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

IMPORTANT SAFETY INFORMATION

Most accidents with engines can be prevented if you follow all instructions in this manual and on the engine. Some of the most common hazards are discussed below, along with the best way to protect yourself and others.

Owner Responsibilities

- The engines are designed to give safe and dependable service if operated according to instructions. Read and understand this owner's manual before operating the engine. Failure to do so could result in personal injury or equipment damage.
- Know how to stop the engine quickly, and understand the operation of all controls. Never permit anyone to operate the engine without proper instructions.
- Do not allow children to operate the engine. Keep children and pets away from the area of operation.

Refuel with Care

Gasoline is extremely flammable, and gasoline vapor can explode. Refuel outdoors, in a well-ventilated area, with the engine stopped. Never smoke near gasoline, and keep other flames and sparks away. Always store gasoline in an approved container. If any fuel is spilled, make sure the area is dry before starting the engine.

Hot Exhaust

- The muffler becomes very hot during operation and remains hot for a while after stopping the engine. Be careful not to touch the muffler while it is hot. Let the engine cool before storing it indoors.
- To prevent fire hazards and to provide adequate ventilation for stationary equipment applications, keep the engine at least 3 feet (1 meter) away from building walls and other equipment during operation. Do not place flammable objects close to the engine.

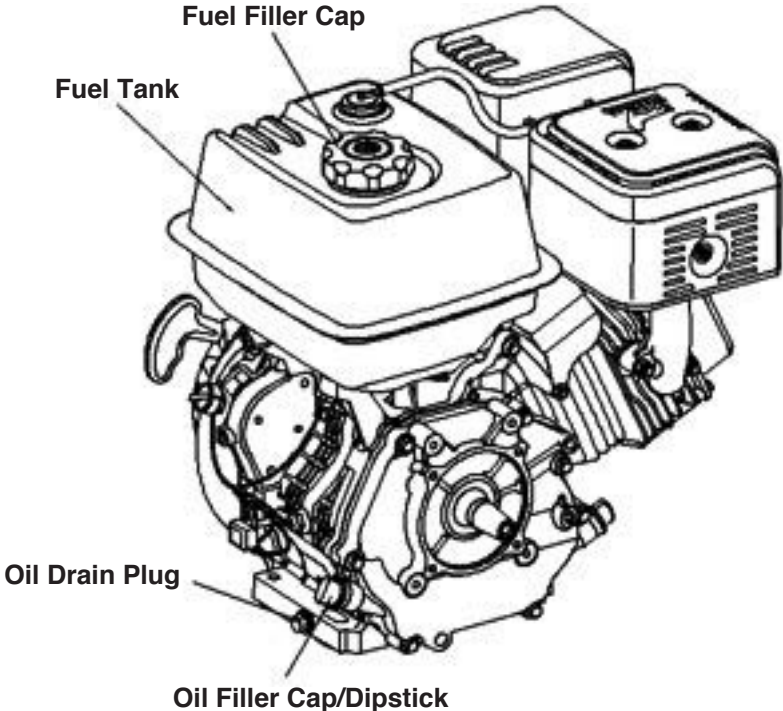
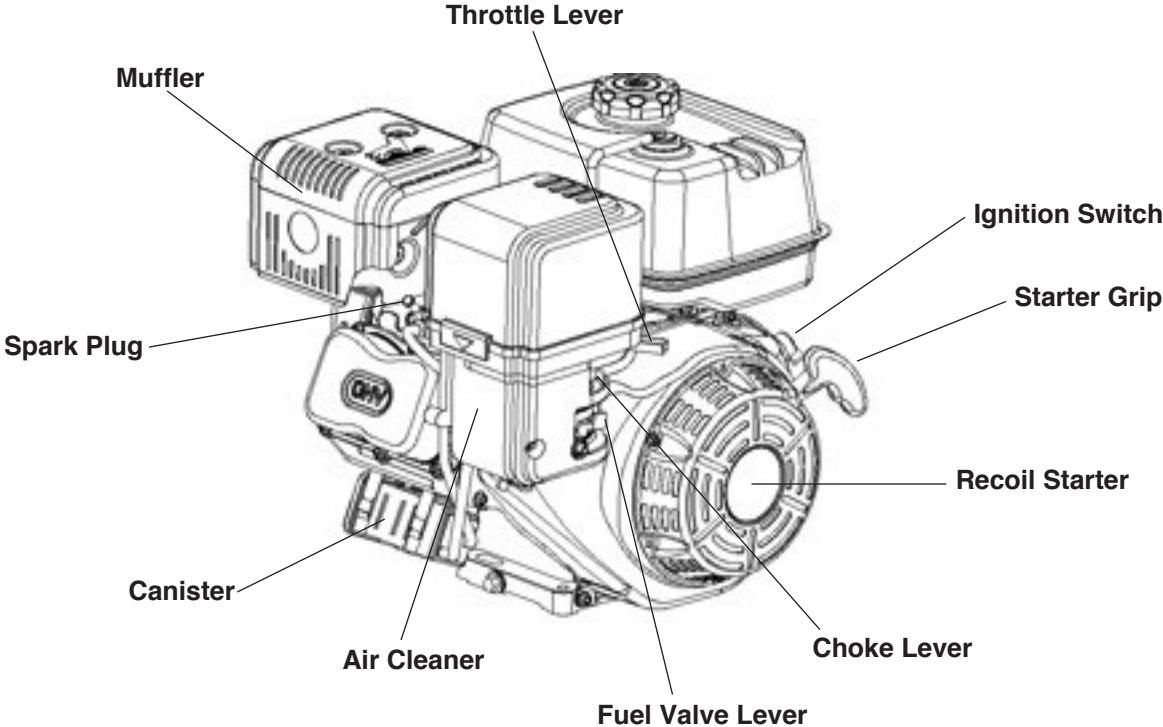
Carbon Monoxide Hazard

Exhaust gas contains poisonous carbon monoxide. Avoid inhalation of exhaust gas. Never run the engine in a closed garage or confined area.

Other Equipment

Review the instructions provided with the equipment powered by this engine for any additional safety precautions that should be observed in conjunction with engine startup, shutdown, operation, or protective apparel that may be needed to operate the equipment.

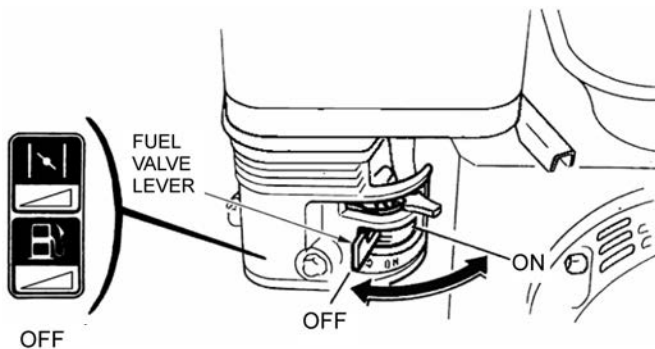
Components & Control Locations



Controls

Fuel Valve Lever

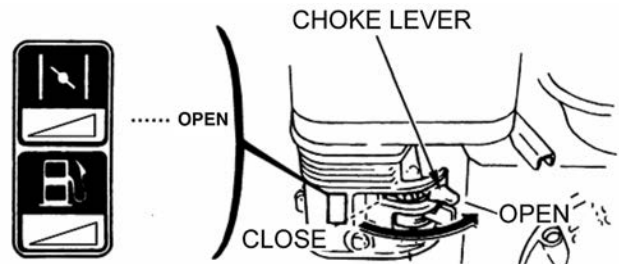
The fuel valve opens and closes the passage between the fuel tank and the carburetor. The fuel valve lever must be in the ON position for the engine to run. When the engine is not in use, leave the fuel valve lever in the OFF position to prevent carburetor flooding and to reduce the possibility of fuel leakage.



Choke Lever

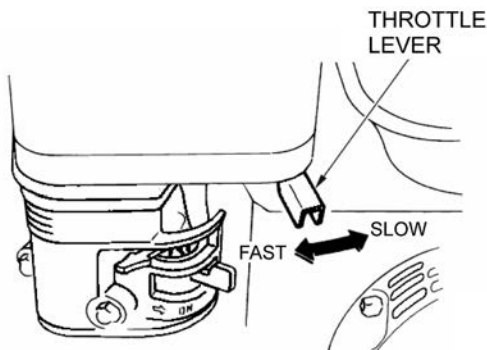
The choke lever opens and closes the choke valve in the carburetor. The CLOSE position enriches the fuel mixture for starting a cold engine. The OPEN position provides the correct fuel mixture for operation after starting and for restarting a warm engine.

Some engine applications use a remotely-mounted choke control rather than the engine-mounted choke lever shown here.



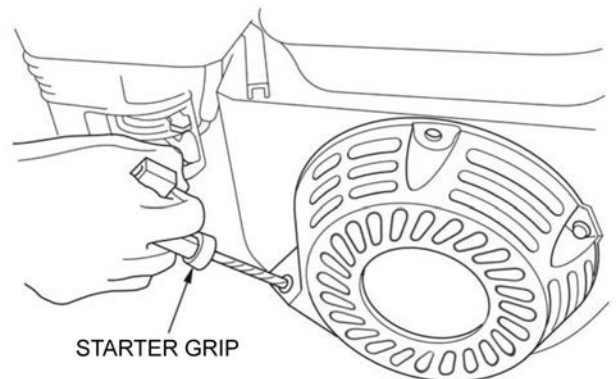
Throttle Lever

The throttle lever controls engine speed. Moving the throttle lever in the directions (shown below) makes the engine run faster or slower.



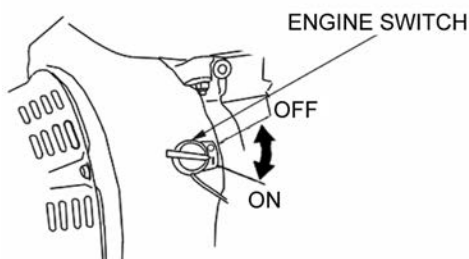
Recoil Starter Grip

Pulling the starter grip operates the recoil starter to crank the engine.



Engine Switch

The engine switch enables and disables the ignition system. The engine switch must be in the ON position for the engine to run. Turning the engine switch to the OFF position stops the engine.



Check Before Operation

IS YOUR ENGINE READY TO GO?

For your safety, and to maximize the service life of your equipment, it is very important to take a few moments before you operate the engine to check its condition. Be sure to take care of any problem you find, or have your servicing dealer correct it, prior to operating the engine.

⚠ WARNING

Improperly maintaining this engine, or failing to correct a problem before operation, could cause a malfunction in which you could be seriously injured.

Always perform a preoperation inspection before each operation, and correct any problem.

Before beginning your preoperation checks, be sure the engine is level and the engine switch is in the OFF position.

Check the General Condition of the Engine

- Look around and underneath the engine for signs of oil or gasoline leaks.
- Remove any excessive dirt or debris, especially around the muffler and recoil starter.
- Look for signs of damage.
- Check that all shields and covers are in place, and all nuts, bolts, and screws are tightened.

Check the Engine

- Check the engine oil level. Running the engine with a low oil level can cause engine damage. The Low Oil Sensor (applicable engine types) will automatically stop the engine before the oil level falls below safe limits. However, to avoid the inconvenience of an unexpected shutdown, always check the engine oil level before startup.
- Check the air filter. A dirty air filter will restrict air flow to the carburetor, reducing engine performance.
- Check the fuel level. Starting with a full tank will help to eliminate or reduce operating interruptions for refueling.

Check the Equipment Powered by this Engine

Review the instructions provided with the equipment powered by this engine for any precautions and procedures that should be followed before engine startup.

Operation

SAFE OPERATING PRECAUTIONS

Before operating the engine for the first time, please review the **IMPORTANT SAFETY INFORMATION** and the section titled **BEFORE OPERATION**.

⚠ WARNING

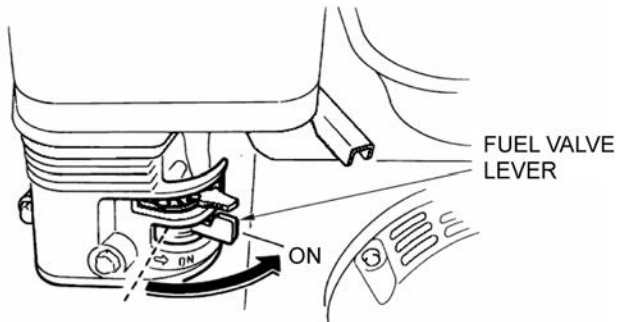
Carbon monoxide gas is toxic. Breathing it can cause unconsciousness and even death.

Avoid any areas or actions that expose you to carbon monoxide.

Review the instructions provided with the equipment powered by this engine for any safety precautions that should be observed in conjunction with engine startup, shutdown, or operation.

STARTING THE ENGINE

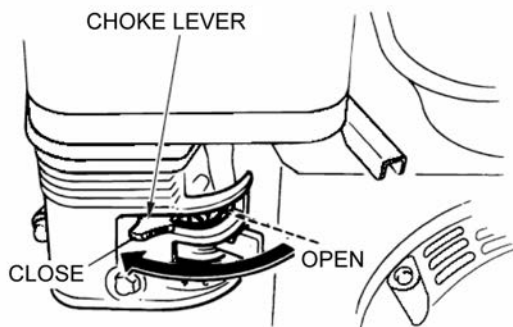
1. Move the fuel valve lever to the ON position.



2. To start a cold engine, move the choke lever to the CLOSE position.

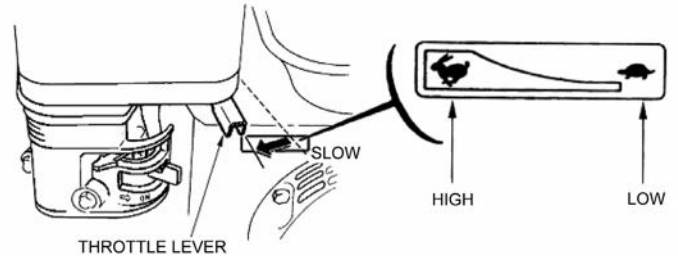
To restart a warm engine, leave the choke lever in the OPEN position.

Some engine applications use a remotely-mounted choke control rather than the engine-mounted choke lever shown here.

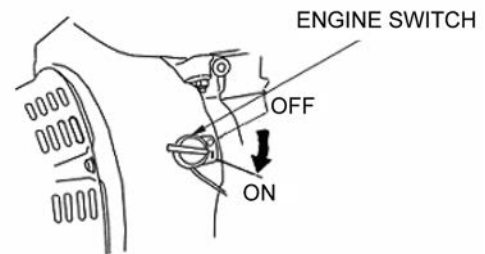


3. Move the throttle lever away from the SLOW position, about 1/3 of the way toward the FAST position.

Some engine applications use a remotely-mounted throttle control rather than the engine-mounted throttle lever shown here.



4. Turn the engine switch to the ON position.

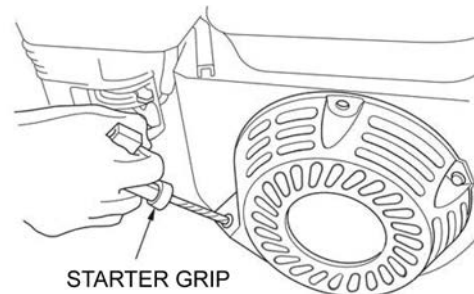


5. Operate the starter.

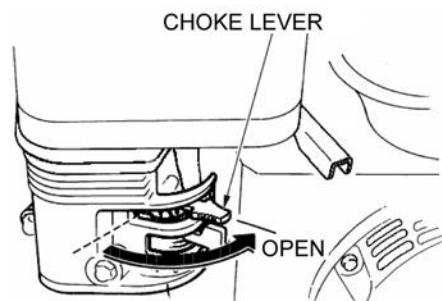
RECOIL STARTER (all engine types):

Pull the starter grip lightly until you feel resistance, then pull briskly.

Return the starter grip gently.



6. If the choke lever has been moved to the CLOSE position to start the engine, gradually move it to the OPEN position as the engine warms up.

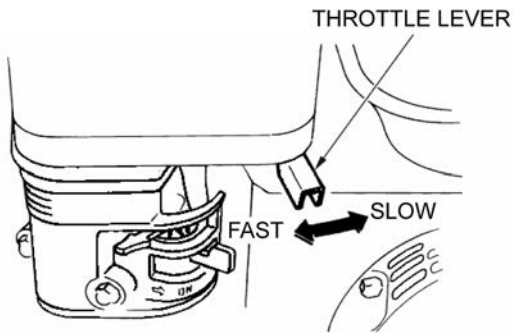


Operation

SETTING ENGINE SPEED

Position the throttle lever for the desired engine speed. Some engine applications use a remotely-mounted throttle control rather than the engine-mounted throttle lever shown here.

For engine speed recommendations, refer to the instructions provided with the equipment powered by this engine.

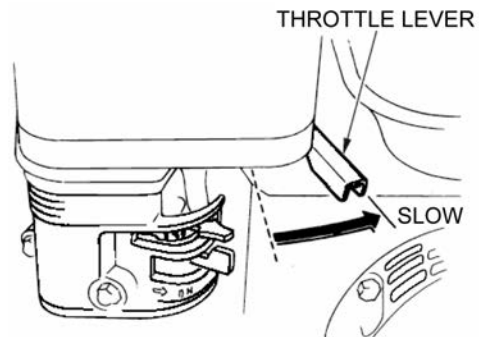


STOPPING THE ENGINE

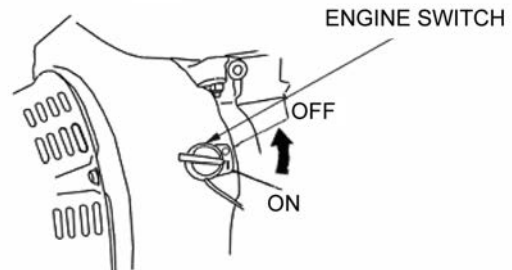
To stop the engine in an emergency, simply turn the engine switch to the OFF position. Under normal conditions, use the following procedure.

1. Move the throttle lever to the SLOW position.

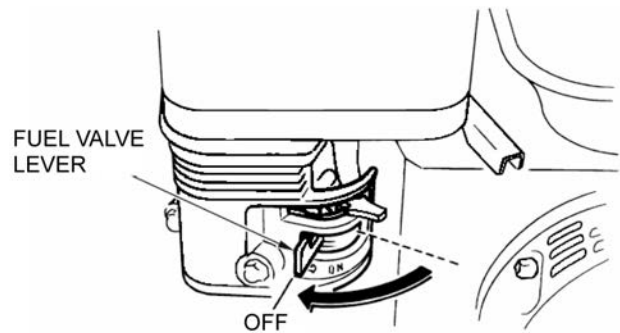
Some engine applications use a remotely-mounted throttle control rather than the engine-mounted throttle lever shown here.



2. Turn the engine switch to the OFF position.



3. Turn the fuel valve lever to the OFF position.



Maintenance

THE IMPORTANCE OF MAINTENANCE

Good maintenance is essential for safe, economical, and trouble-free operation. It will also help reduce air pollution.

⚠ WARNING

Improperly maintaining this engine, or failure to correct a problem before operation, can cause a malfunction in which you can be seriously hurt or killed.

Always follow the inspection and maintenance recommendations and schedules in this owner's manual.

To help you properly care for your engine, the following pages include a maintenance schedule, routine inspection procedures, and simple maintenance procedures using basic hand tools. Other service tasks that are more difficult, or require special tools, are best handled by professionals and are normally performed by a technician or other qualified mechanic.

The maintenance schedule applies to normal operating conditions. If you operate your engine under unusual conditions, such as sustained high-load or high-temperature operation, or use in unusually wet or dusty conditions, consult your servicing dealer for recommendations applicable to your individual needs and use.

MAINTENANCE SAFETY

Some of the most important safety precautions are as follows. (Note: We cannot warn you of every conceivable hazard that can arise in performing maintenance. Only you can decide whether or not you should perform a given task.)

⚠ WARNING

Failure to properly follow maintenance instructions and precautions can cause you to be seriously hurt or killed.

Always follow the procedures and precautions in the owner's manual.

Safety Precautions

- Make sure the engine is off before you begin any maintenance or repairs. This will eliminate several potential hazards:
 - Carbon monoxide poisoning from engine exhaust. Be sure there is adequate ventilation whenever you operate the engine.
 - Burns from hot parts. Let the engine and exhaust system cool before touching.
 - Injury from moving parts. Do not run the engine unless instructed to do so.
- Read the instructions before you begin, and make sure you have the tools and skills required to perform the maintenance.
- To reduce the possibility of fire or explosion, be careful when working around gasoline. Use only a nonflammable solvent, not gasoline, to clean parts. Keep cigarettes, sparks and flames away from all fuel-related parts.

Remember that your servicing dealer knows your engine best and is fully equipped to maintain and repair it.

To ensure the best quality and reliability, use only new, genuine parts or their equivalents for repair and replacement.

Maintenance

MAINTENANCE SCHEDULE

REGULAR SERVICE PERIOD Performed at every indicated month or operating hour interval, whichever comes first.		Item	Each use	First month or 20 hours	Every 3 months or 50 hours	Every 6 months or 100 hours	Every year or 300 hours	
•	Engine oil	Check level	°					
		Change		°		°		
•	Air cleaner	Check	°					
		Clean			°(1)			
		Replace					°†	
•	Sediment cup	Clean				°		
•	Spark plug	Check-Clean				°		
		Replace					°	
	Spark arrester (optional parts)	Clean				°		
•	Idle speed	Check-Adjust					°(2)	
•	Valve clearance	Check-Adjust					°(2)	
•	Fuel tank and strainer	Clean					°(2)	
•	Combustion chamber	Clean	After every 300 Hrs. (2)					
•	Fuel line	Check	Every 2 years (Replace if necessary) (2)					

°Emission-related items.

† Replace the paper element type only.

(1) Service more frequently when used in dusty areas.

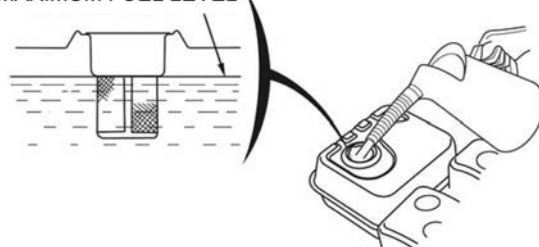
(2) These items should be serviced by your servicing dealer unless you have the proper tools and are mechanically proficient.

REFUELING

Part Number	HP	Fuel Tank Capacity	
2541-0045	6.5	3.6 L	0.95 Gal
2541-0046			
2541-0048	13	6.5 L	1.7 Gal
2541-0049			
2541-0050			
2541-0051			

- **Stop the engine and keep heat, sparks and flame away.**
- **Handle fuel only outdoors.**
- **Wipe up spills immediately.**

MAXIMUM FUEL LEVEL



With the engine stopped, remove the fuel tank cap and check the fuel level. Refill the tank if the fuel level is low.

⚠ WARNING

Gasoline is highly flammable and explosive. You can be burned or seriously injured when handling fuel.

Refuel in a well-ventilated area before starting the engine. If the engine has been running, allow it to cool. Refuel carefully to avoid spilling fuel. Do not fill above the fuel strainer shoulder. After refueling, tighten the fuel tank cap securely.

Never refuel the engine inside a building where gasoline fumes may reach flames or sparks. Keep gasoline away from appliance pilot lights, barbecues, electric appliances, power tools, etc.

Maintenance

Spilled fuel is not only a fire hazard, it causes environmental damage. Wipe up spills immediately.

NOTICE

Fuel can damage paint and plastic. Be careful not to spill fuel when filling your fuel tank. Damage caused by spilled fuel is not covered under warranty.

FUEL RECOMMENDATIONS

Use unleaded gasoline with a pump octane rating of 86 or higher.

These engines are certified to operate on unleaded gasoline. Unleaded gasoline produces fewer engine and spark plug deposits and extends exhaust system life.

Never use stale or contaminated gasoline or an oil/gasoline mixture. Avoid getting dirt or water in the fuel tank.

Occasionally you may hear a light “spark knock” or “pinging” (metallic rapping noise) while operating under heavy loads. This is no cause for concern.

If spark knock or pinging occurs at a steady engine speed, under normal load, change brands of gasoline. If spark knock or pinging persists, see an authorized servicing dealer.

NOTICE

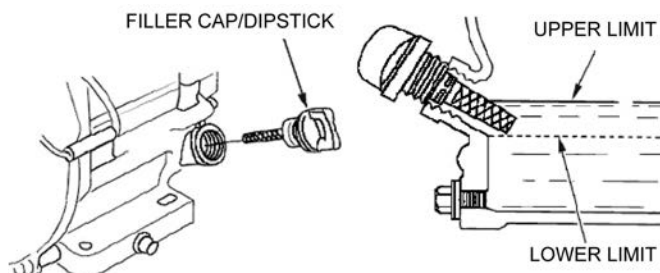
Running the engine with persistent spark knock or pinging can cause engine damage.

Running the engine with persistent spark knock or pinging is considered misuse, and Hypro's Limited Warranty does not cover parts damaged by misuse.

ENGINE OIL LEVEL CHECK

Check the engine oil level with the engine stopped and in a level position.

1. Remove the filler cap/dipstick and wipe it clean.



2. Insert and remove the dipstick without screwing it into the filler neck. Check the oil level shown on the dipstick.

3. If the oil level is low, fill to the edge of the oil filler hole with the recommended oil.
4. Screw in the filler cap/dipstick securely.

NOTICE

Running the engine with a low oil level can cause engine damage.

The Low Oil Sensor (applicable engine types) will automatically stop the engine before the oil level falls below safe limit. However, to avoid the inconvenience of an unexpected shutdown, always check the engine oil level before startup.

ENGINE OIL CHANGE

Drain the used oil while the engine is warm. Warm oil drains quickly and completely.

1. Place a suitable container below the engine to catch the used oil, and then remove the filler cap/dipstick and the drain plug.
2. Allow the used oil to drain completely, and then reinstall the drain plug and tighten it securely.

Please dispose of used motor oil in a manner that is compatible with the environment. We suggest you take used oil in a sealed container to your local recycling center or service station for reclamation. Do not throw it in the trash, pour it on the ground, or down a drain.

3. With the engine in a level position, fill to the outer edge of the oil filler hole with the recommended oil.

ENGINE OIL CAPACITIES:

Part Number	HP	Oil Capacity	
2541-0045	6.5	0.60 L	0.63 Qt
2541-0046			
2541-0048	13	1.1 L	1.2 Qt
2541-0049			
2541-0050			
2541-0051			

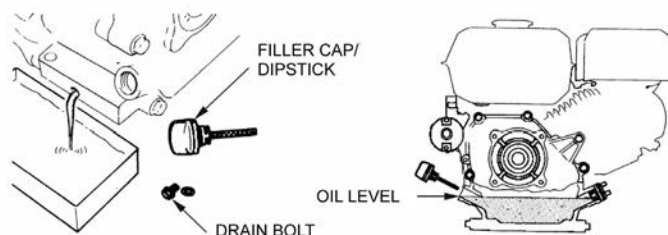
Running the engine with a low oil level can cause engine damage.

The Low Oil Sensor (applicable engine types) will automatically stop the engine before the oil level falls below the safe limit.

Maintenance

However, to avoid the inconvenience of an unexpected shutdown, fill to the upper limit, and check the oil level regularly.

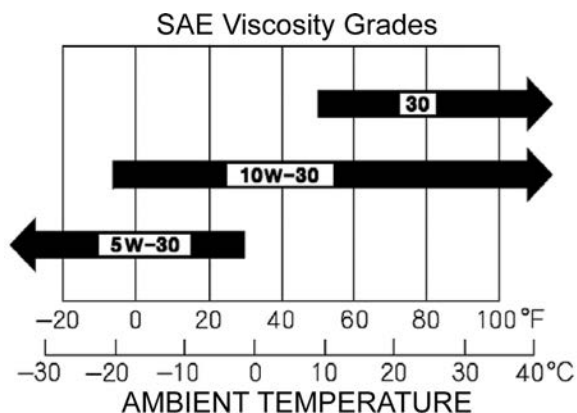
4. Screw in the filler cap/dipstick securely.



SERVICING YOUR ENGINE ENGINE OIL RECOMMENDATIONS

Oil is a major factor affecting performance and service life. Use 4-stroke automotive detergent oil.

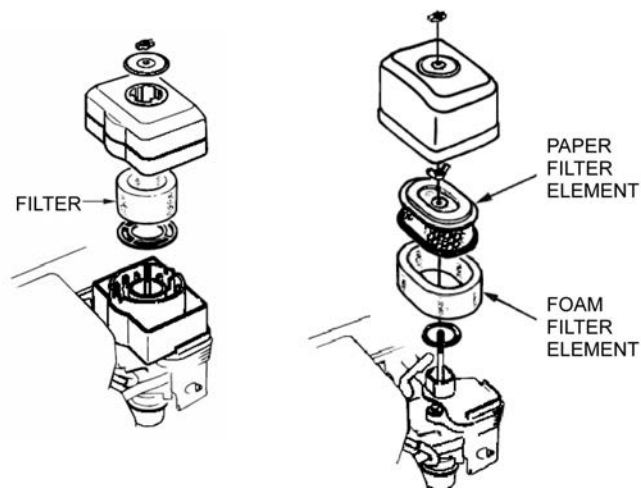
SAE 10W-30 is recommended for general use. Other viscosities shown in the chart may be used when the average temperature in your area is within the recommended range.



The SAE oil viscosity and service classification are in the API label on the oil container. We recommend that you use API SERVICE Category SG or SH oil.

AIR FILTER INSPECTION

Remove the air cleaner cover and inspect the filter. Clean or replace dirty filter elements. Always replace damaged filter elements. If equipped with an oil-bath air cleaner, also check the oil level.



AIR CLEANER SERVICE

A dirty air filter will restrict air flow to the carburetor, reducing engine performance.

If you operate the engine in very dusty areas, clean the air filter more often than specified in the MAINTENANCE SCHEDULE.

NOTICE

Operating the engine without an air filter, or with a damaged air filter, will allow dirt to enter the engine, causing rapid engine wear. This type of damage is not covered by Hypro's Limited Warranty.

Maintenance

Dual-Filter Element Types

1. Remove the wing nut from the air cleaner cover, and remove the air cleaner cover.

2. Remove the wing nut from the air filter, and remove the filter.

3. Remove the foam filter from the paper filter.

4. Inspect both air filter elements, and replace them if they are damaged. Always replace the paper air filter element at the scheduled interval.

5. Clean the air filter elements if they are to be reused.

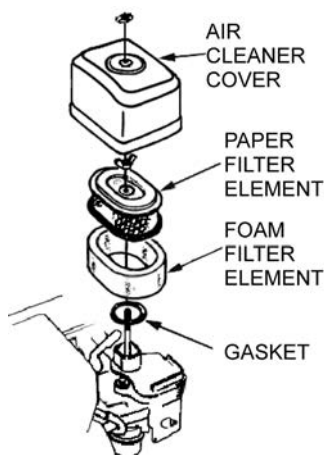
Paper air filter element: Tap the filter element several times on a hard surface to remove dirt, or blow compressed air [not exceeding 30 psi (207 kPa)] through the filter element from the inside. Never try to brush off dirt; brushing will force dirt into the fibers.

Foam air filter element: Clean in warm, soapy water, rinse, and allow drying thoroughly. Or clean in nonflammable solvent and allow drying. Dip the filter element in clean engine oil, and then squeeze out all excess oil. The engine will smoke when started if too much oil is left in the foam.

1. Using a moist rag, wipe dirt from the inside of the air cleaner base and cover. Be careful to prevent dirt from entering the air duct that leads to the carburetor.

2. Place the foam air filter element over the paper element, and reinstall the assembled air filter. Be sure the gasket is in place beneath the air filter. Tighten the air filter wing nut securely.

3. Install the air cleaner cover, and tighten the cover wing nut securely.



Oil-Bath Type

1. Remove the wing nut, and remove the air cleaner cap and cover.

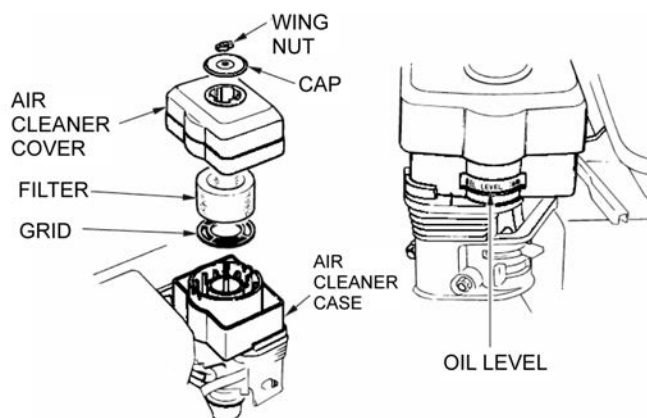
2. Remove the air filter from the cover, wash the cover and filter in warm, soapy water, rinse, and allow drying thoroughly. Or clean in nonflammable solvent and allow drying.

3. Dip the filter in clean engine oil, and then squeeze out all excess oil. The engine will smoke if too much oil is left in the foam.

4. Empty the used oil from the air cleaner case, wash out any accumulated dirt with nonflammable solvent, and dry the case.

5. Fill the air cleaner case to the OIL LEVEL mark with the same oil that is recommended for the engine. Oil capacity: 2.0 US oz (60 cm³)

6. Reassemble the air cleaner, and tighten the wing nut securely.



Maintenance

SEDIMENT CUP CLEANING

1. Move the fuel valve to the OFF position, and then remove the fuel sediment cup and O-ring.

⚠ WARNING

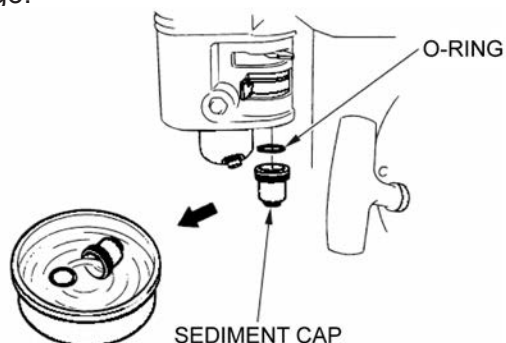
Gasoline is highly flammable and explosive. You can be burned or seriously injured when handling fuel.

- Keep heat, sparks and flame away.
- Handle fuel only outdoors.
- Wipe up spills immediately.

2. Wash the sediment cup and O-ring in nonflammable solvent, and dry them thoroughly.

3. Place the O-ring in the fuel valve, and install the sediment cup. Tighten the sediment cup securely.

4. Move the fuel valve to the ON position, and check for leaks. Replace the O-ring if there is any leakage.



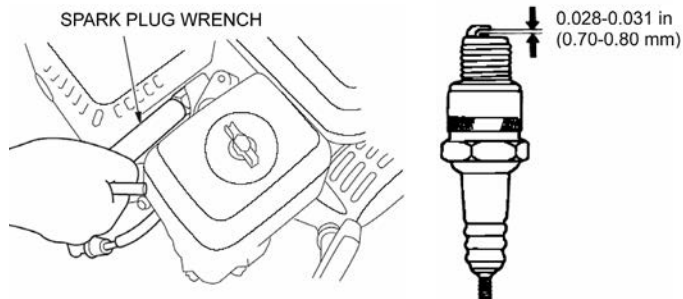
SPARK PLUG SERVICE

Recommended spark plugs: F7RTC or other equivalents.

NOTICE

An incorrect spark plug can cause engine damage.

1. Disconnect the spark plug cap, and remove any dirt from around the spark plug area.
2. Remove the spark plug with a spark plug wrench.



3. Inspect the spark plug. Replace it if the electrodes are worn, or if the insulator is cracked or chipped.

4. Measure the spark plug electrode gap with a suitable gauge.

The gap should be 0.028 -0.031 in (0.70 - 0.80 mm). Correct the gap, if necessary, by carefully bending the side electrode.

5. By hand, install the spark plug carefully to avoid cross-threading.

6. After the spark plug seats, tighten with a spark plug wrench to compress the washer.

If reinstalling the used spark plug, tighten 1/8 - 1/4 turn after the spark plug seats.

If installing a new spark plug, tighten 1/2 turn after the spark plug seats.

NOTICE

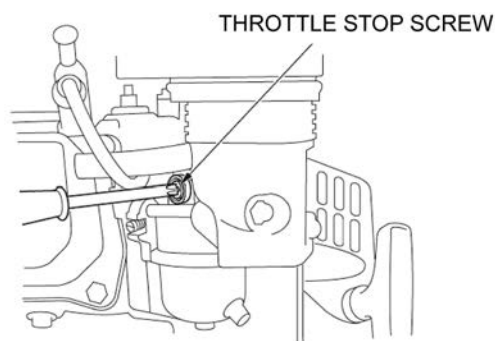
A loose spark plug can overheat and damage the engine. Over tightening the spark plug can damage the threads in the cylinder head.

7. Attach the spark plug cap.

IDLE SPEED ADJUSTMENT

1. Start the engine outdoors, and allow it to warm up to operating temperature.
2. Move the throttle lever to its slowest position.
3. Turn the throttle stop screw to obtain the standard idle speed.

Standard idle speed: 1,400±150 rpm



Maintenance

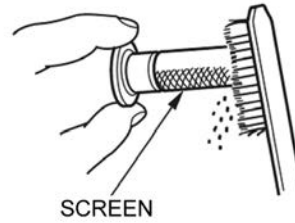
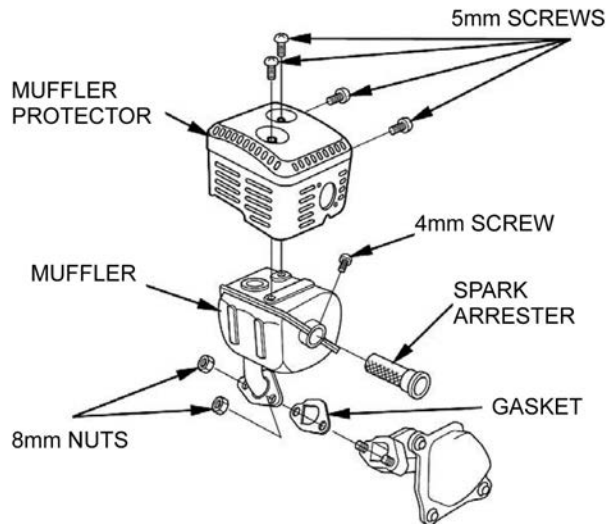
SPARK ARRESTER SERVICE (optional equipment)

Your engine is not factory-equipped with a spark arrester. In some areas, it is illegal to operate an engine without a spark arrester. Check local laws and regulations. A spark arrester is available from authorized servicing dealers.

The spark arrester must be serviced every 100 hours to keep it functioning as designed.

If the engine has been running, the muffler will be very hot. Allow the muffler to cool before servicing the spark arrester.

1. Remove the three 4 mm screws from the exhaust deflector, and remove the deflector.
2. Remove the four 5 mm screws from the muffler protector, and remove the muffler protector.
3. Remove the 4 mm screw from the spark arrester, and remove the spark arrester from the muffler.



4. Use a brush to remove carbon deposits from the spark arrester screen. Be careful to avoid damaging the screen.

The spark arrester must be free of breaks and holes. Replace the spark arrester if it is damaged.

5. Install the spark arrester, muffler protector and exhaust deflector in reverse order of disassembly.

Storage/Transportation

STORING YOUR ENGINE

Storage Preparation

Proper storage preparation is essential for keeping your engine trouble free and looking good. The following steps will help to keep rust and corrosion from impairing your engine's function and appearance, and will make the engine easier to start after storage.

Cleaning

If the engine has been running, allow it to cool for at least half an hour before cleaning. Clean all exterior surfaces, touch up any damaged paint, and coat other areas that may rust with a light film of oil.

NOTICE

Using a garden hose or pressure washing equipment can force water into the air cleaner or muffler opening. Water in the air cleaner will soak the air filter, and water that passes through the air filter or muffler can enter the cylinder, causing damage.

Water contacting a hot engine can cause damage. If the engine has been running, allow it to cool for at least half an hour before washing.

Fuel

Gasoline will oxidize and deteriorate in storage. Old gasoline will cause hard starting, and it leaves gum deposits that clog the fuel system. If the gasoline in your engine deteriorates during storage, you may need to have the carburetor and other fuel system components serviced or replaced.

The length of time that gasoline can be left in your fuel tank and carburetor without causing functional problems will vary with such factors as gasoline blend, your storage temperatures, and whether the fuel tank is partially or completely filled. The air in a partially-filled fuel tank promotes fuel deterioration. Very warm storage temperatures accelerate fuel deterioration. Fuel deterioration problems may occur within a few months, or even less if the gasoline was not fresh when you filled the fuel tank.

NOTICE

Hypro's Limited Warranty does not cover fuel system damage or engine performance problems resulting from neglected storage preparation.

You can extend fuel storage life by adding a fuel stabilizer that is formulated for that purpose, or you can avoid fuel deterioration problems by draining the fuel tank and carburetor.

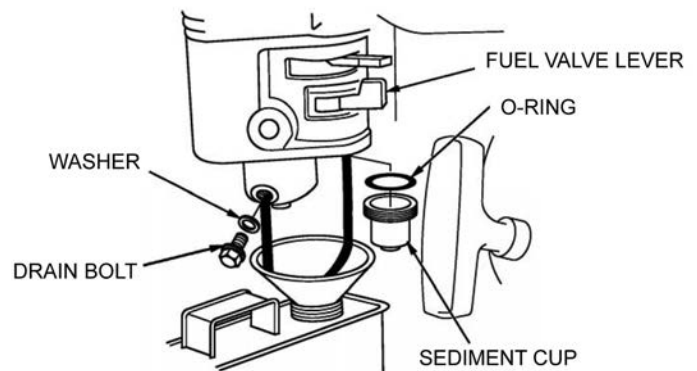
Adding a Fuel Stabilizer to Extend Fuel Storage Life

When adding a fuel stabilizer, fill the fuel tank with fresh gasoline. If only partially filled, air in the tank will promote fuel deterioration during storage. If you keep a container of gasoline for refueling, be sure that it contains only fresh gasoline.

1. Add fuel stabilizer following the manufacturer's instructions.
2. After adding a fuel stabilizer, run the engine outdoors for 10 minutes to be sure that treated gasoline has replaced the untreated gasoline in the carburetor.
3. Stop the engine, and move the fuel valve to the OFF position.

Draining the Fuel Tank and Carburetor

1. Place an approved gasoline container below the carburetor, and use a funnel to avoid spilling fuel.
2. Remove the carburetor drain bolt and sediment cup, and then move the fuel valve lever to the ON position.



3. After all the fuel has drained into the container, reinstall the drain bolt and sediment cup. Tighten them securely.

Storage/Transportation

Storage Precautions

1. Change the engine oil.
2. Remove the spark plugs.
3. Pour a tablespoon (5-10 cc) of clean engine oil into the cylinder.
4. Pull the starter rope several times to distribute the oil in the cylinder.
5. Reinstall the spark plugs.
6. Pull the starter rope slowly until resistance is felt. This will close the valves so moisture cannot enter the engine cylinder. Return the starter rope gently.

If your engine will be stored with gasoline in the fuel tank and carburetor, it is important to reduce the hazard of gasoline vapor ignition. Select a well-ventilated storage area away from any appliance that operates with a flame, such as a furnace, water heater or clothes dryer. Also avoid any area with a spark-producing electric motor, or where power tools are operated.

If possible, avoid storage areas with high humidity, because that promotes rust and corrosion.

Unless all fuel has been drained from the fuel tank, leave the fuel valve lever in the OFF position to reduce the possibility of fuel leakage.

Position the equipment so the engine is level. Tilting can cause fuel or oil leakage.

With the engine and exhaust system cool, cover the engine to keep out dust. A hot engine and exhaust system can ignite or melt some materials. Do not use sheet plastic as a dust cover. A nonporous cover will trap moisture around the engine, promoting rust and corrosion.

If equipped with a battery for an electric starter, recharge the battery once a month while the engine is in storage. This will help to extend the service life of the battery.

Removal from Storage

Check your engine as described in the section CHECK BEFORE OPERATION.

If the fuel was drained during storage preparation, fill the tank with fresh gasoline. If you keep a container of gasoline for refueling, be sure that it contains only fresh gasoline. Gasoline oxidizes and deteriorates over time, causing hard starting.

If the cylinders were coated with oil during storage preparation, the engine may smoke briefly at start-up. This is normal.

TRANSPORTING

If the engine has been running, allow it to cool for at least 15 minutes before loading the engine-powered equipment on the transport vehicle. A hot engine and exhaust system can burn you and can ignite some materials.

Keep the engine level when transporting to reduce the possibility of fuel leakage. Move the fuel valve lever to the OFF position.

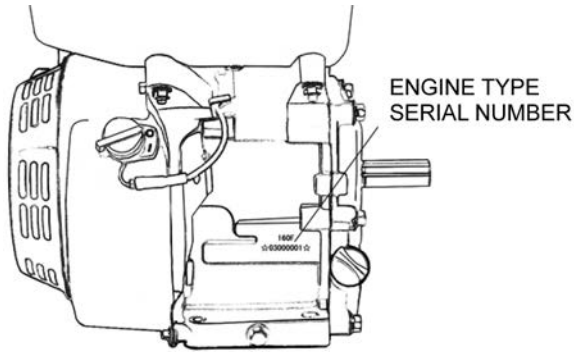
Troubleshooting

ENGINE WILL NOT START	Possible Cause	Correction
1. Electric starting: check battery.	Battery discharged.	Recharge battery.
2. Check control positions.	Fuel valve OFF. Choke OPEN. Engine switch OFF.	Move lever to ON. Move lever to CLOSE unless engine is warm. Turn engine switch to ON.
3. Check fuel.	Out of fuel. Bad fuel; engine stored without treating or draining gasoline, or refueled with bad gasoline.	Refuel. Drain fuel tank and carburetor. Refuel with fresh gasoline.
4. Remove and inspect spark plugs.	Spark plugs faulty, fouled, or improperly gapped. Spark plugs wet with fuel (flooded engine).	Gap, or replace spark plugs. Dry and reinstall spark plugs. Start engine with throttle lever in FAST position.
5. Other conditions.	Fuel filter clogged, carburetor malfunction, ignition malfunction, valve stuck, etc.	Replace or repair faulty components as necessary.

ENGINE LACKS POWER	Possible Cause	Correction
1. Check air filter.	Filter element(s) clogged.	Clean or replace filter element(s).
2. Check fuel.	Out of fuel. Bad fuel; engine stored without treating or draining gasoline, or refueled with bad gasoline.	Refuel. Drain fuel tank and carburetor. Refuel with fresh gasoline.
3. Other conditions.	Fuel filter clogged, carburetor malfunction, ignition malfunction, valve stuck, etc.	Replace or repair faulty components as necessary.

TECHNICAL INFORMATION

Serial Number Location



Record the engine serial number in the space below. You will need this serial number when ordering parts and when making technical or warranty inquiries.

Engine serial number: _____

Battery Connections for Electric Starter

Use a 12-volt battery with an ampere-hour rating of at least 18 Ah.

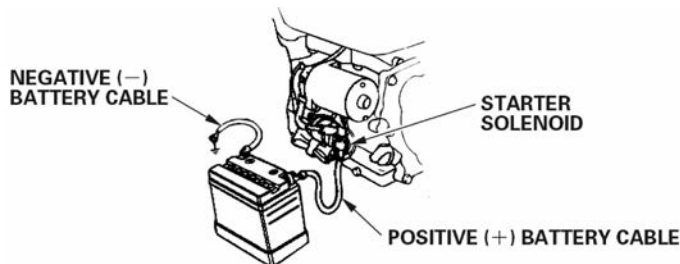
Be careful not to connect the battery in reverse polarity, as this will short circuit the battery charging system. Always connect the positive (+) battery cable to the battery terminal before connecting the negative (-) battery cable, so your tools cannot cause a short circuit if they touch a grounded part while tightening the positive (+) battery cable end.

⚠ WARNING

A battery can explode if you do not follow the correct procedure, seriously injuring anyone nearby.

Keep all sparks, open flames and smoking materials away from the battery.

1. Connect the battery positive (+) cable to the starter solenoid terminal as shown.



2. Connect the battery negative (-) cable to an engine mounting bolt, frame bolt, or other good engine ground connection.
3. Connect the battery positive (+) cable to the battery positive (+) terminal.
4. Connect the battery negative (-) cable to the battery negative (-) terminal.
5. Coat the terminals and cable ends with grease.

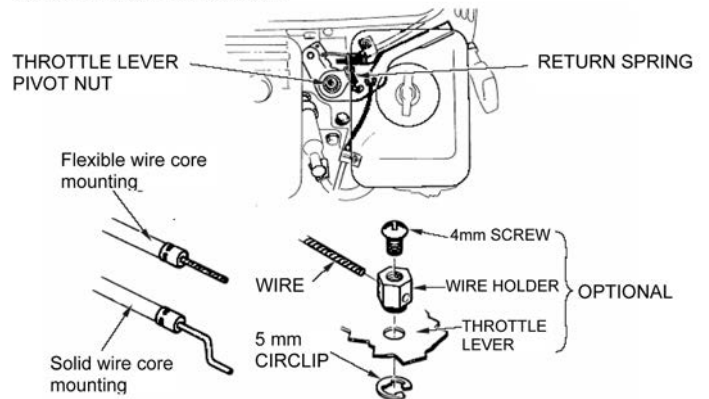
Remote Control Linkage

The throttle and choke control levers are provided with holes for optional cable attachment. The following illustrations show installation examples for a solid wire cable and for a flexible, braided wire cable. If using a flexible, braided wire cable, add a return spring as shown.

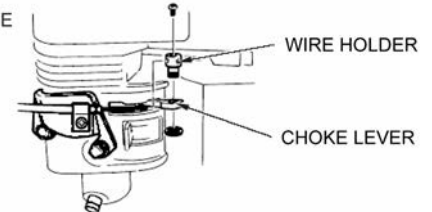
It is necessary to loosen the throttle lever friction nut when operating the throttle with a remotely-mounted control.

Models: 2541-0043 thru 2541-0046

REMOTE THROTTLE LINKAGE



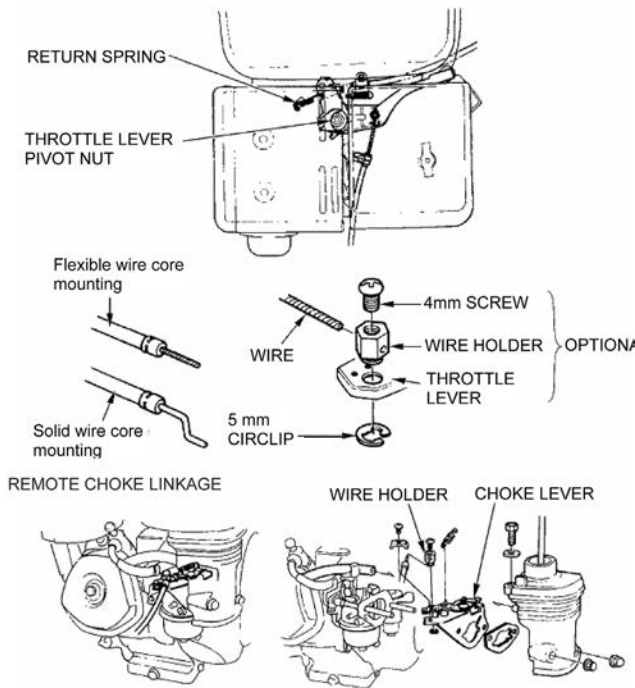
REMOTE CHOKE LINKAGE



Technical & Consumer Information

Models: 2541-0047 thru 2541-0051

REMOTE THROTTLE LINKAGE



Carburetor Modification for High Altitude Operation

At high altitude, the standard carburetor air-fuel mixture will be too rich. Performance will decrease, and fuel consumption will increase. A very rich mixture will also foul the spark plug and cause hard starting. Operation at an altitude that differs from that at which this engine was certified, for extended periods of time, may increase emissions.

High altitude performance can be improved by specific modifications to the carburetor. If you always operate your engine at altitudes above 5,000 feet (1,500 meters), have your servicing dealer perform this carburetor modification. This engine, when operated at high altitude with the carburetor modifications for high altitude use, will meet each emission standard throughout its useful life.

Even with carburetor modification, engine horsepower will decrease about 3.5% for each 1,000-foot (300-meter) increase in altitude. The effect of altitude on horsepower will be greater than this if no carburetor modification is made.

NOTICE

When the carburetor has been modified for high altitude operation, the air-fuel mixture will be too lean for low altitude use. Operation at altitudes below 5,000 feet (1,500 meters) with a modified carburetor may cause the engine to overheat and result in serious engine damage. For use at low altitudes, have your servicing dealer return the carburetor to original factory specifications.

Oxygenated Fuels

Some conventional gasolines are being blended with alcohol or an ether compound. These gasolines are collectively referred to as oxygenated fuels. To meet clean air standards, some areas use oxygenated fuels to help reduce emissions.

If you use an oxygenated fuel, be sure it is unleaded and meets the minimum octane rating requirement.

Before using an oxygenated fuel, try to confirm the fuel's contents. Some areas require this information to be posted on the pump.

The following are the EPA-approved percentages of oxygenates:

ETHANOL – (ethyl or grain alcohol) 10% by volume. You may use gasoline containing up to 10% ethanol by volume.

Gasoline containing ethanol may be marketed under the name "Gasohol."

MTBE – (methyl tertiary butyl ether) 15% by volume. You may use gasoline containing up to 15% MTBE by volume.

METHANOL – (methyl or wood alcohol) 5% by volume. You may use gasoline containing up to 5% methanol by volume, as long as it also contains cosolvents and corrosion inhibitors to protect the fuel system. Gasoline containing more than 5% methanol by volume may cause starting and/or performance problems. It may also damage metal, rubber, and plastic parts of your fuel system.

If you notice any undesirable operating symptoms, try another service station, or switch to another brand of gasoline.

Fuel system damage or performance problems resulting from the use of an oxygenated fuel containing more than the percentages of oxygenates mentioned above are not covered under warranty.

Technical & Consumer Information

EMISSION CONTROL SYSTEM INFORMATION

Source of Emissions

The combustion process produces carbon monoxide, oxides of nitrogen, and hydrocarbons. Control of hydrocarbons and oxides of nitrogen is very important because, under certain conditions, they react to form photochemical smog when subjected to sunlight. Carbon monoxide does not react in the same way, but it is toxic.

This utilizes lean carburetor settings and other systems to reduce the emissions of carbon monoxide, oxides of nitrogen and hydrocarbons.

Tampering and Altering

Tampering with or altering the emission control system may increase emissions beyond the legal limit. Among those acts that constitute tampering are:

- Removal or alteration of any part of the intake, fuel or exhaust systems.
- Altering or defeating the governor linkage or speed-adjusting mechanism to cause the engine to operate outside its design parameters.

Problems that may Affect Emissions

If you are aware of any of the following symptoms, have your engine inspected and repaired by your servicing dealer.

- Hard starting or stalling after starting
- Rough idle
- Misfiring or backfiring under load
- Afterburning (backfiring)
- Black exhaust smoke or high fuel consumption

Replacement Parts

The emission control systems on your engine were designed, built. We recommend the use of genuine parts whenever you have maintenance done. These original-design replacement parts are manufactured to the same standards as the original parts, so you can be confident of their performance. The use of replacement parts that are not of the original design and quality may impair the effectiveness of your emission control system.

A manufacturer of an aftermarket part assumes the responsibility that the part will not adversely affect emission performance. The manufacturer or rebuilder of the part must certify that use of the part will not result in a failure of the engine to comply with emission regulations.

Maintenance

Follow the maintenance schedule. Remember that this schedule is based on the assumption that your machine will be used for its designed purpose. Sustained high-load or high-temperature operation, or use in unusually wet or dusty conditions, will require more frequent service.

Engine Tune-up

ITEM	SPECIFICATION
Spark plug gap	0.028-0.031 in (0.70-0.80 mm)
Valve clearance	IN: 0.15±0.02 mm (cold) EX: 0.20±0.02 mm (cold)
Other specifications	No other adjustments needed

CONSUMER INFORMATION

For technical assistance, contact the Hypro Technical/Application Department by phone at 1-800-PowerPro (800-769-3777) or by email at technical@hypropumps.com.

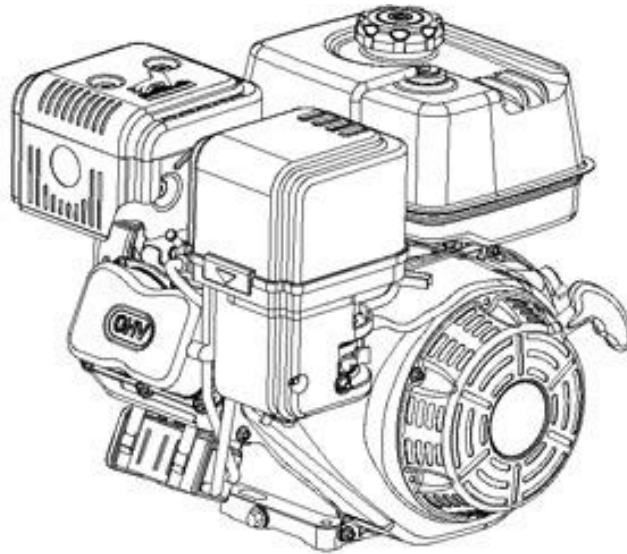
QUICK REFERENCE INFORMATION

Engine Oil	Type	SAE 10W-30, API SG or SH, for general use
	Capacity	2541-0043 thru 0046 0.6 L (0.63 qt) 2541-0047 thru 0051 1.1 L (1.2 qt)
Spark Plug	Type	LD - F7RTC or NGK – BPR6ES
	Gap	0.028 - 0.031 in (0.70 - 0.80 mm)
Carburetor	Idle speed	1400±150 rpm
Maintenance	Each use	Check engine oil. Check air filter.
	First 20 hours	Change engine oil.
	Subsequent	Refer to the maintenance schedule.

Specifications

Model	2541-0045	2541-0046	2541-0048	2541-0049	2541-0050	2541-0051
Shaft Type	3/4" keyed	5/8" threaded	1" keyed	1" keyed	1" threaded	1" threaded
Electric Start	no	no	no	yes	no	yes
Low Oil Sensor	yes	yes	yes	yes	yes	yes
Type	Single cylinder, 4-Stroke, Forced Air Cooling, OHV					
Maximum Power (kW/3600rpm)	4.85 (6.5 hp)		9.7 (13.0 hp)			
Rated Power (kW/3600rpm)	3.8 (5.1 hp)		8.3 (11.1 hp)			
Max. Torque (N·m/rpm)	13/3000 (9.6 ft lb)		26.5/3000 (19.6 ft lb)			
Engine Oil Capacity	0.60 L (0.63 qt)		1.1 L (1.2 qt)			
Fuel Tank Capacity	3.6 L (0.95 gal)		6.5 L (1.7 gal)			
Fuel Consumption (g/kW·h)	≤395					
Idle Speed	1400±150 rpm					
Speed Fluctuating Ratio	≤10%					
Noise(≤)	70db(A)		80db(A)			
Bore×Stroke (mm)	68×54		88×64			
Displacement (cc)	196		389			
Compression Ratio	8.5:1		8.1:1			
Lubricating Mode	Splash					
Starting Mode	Recoil start (Recoil start / Electric starting)					
Rotation	Anti-clockwise (from PTO side)					
Valve Clearance	Input valve : 0.10~0.15mm, Output valve : 0.15~0.20mm					
Spark Plug Clearance	0.7~0.8mm					
Igniting Mode	Transistorized Magneto Ignition					
Air Cleaner	Semi-dry, Oil-bath, Foam filter					
Dimension (Length) (mm)	312		405			
Dimension (Width) (mm)	376		450			
Dimension (High) (mm)	335		443			
Net weight (kg)	16(19)		31(34)			

Engine Replacement Parts



Model HY160 and HY200
HY160 - 2541-0043, 2541-0044
HY200 - 2541-0045, 2541-0046

Part Number	Description
2545-0030	Muffler w/Cover HY160/200
2545-0033	Air Cleaner Cover HY160/200
2545-0036	Air Cleaner Element HY160/200
2545-0039	Flywheel Shroud HY160/200
2545-0042	Recoil Assembly HY160/200
2545-0045	Fuel Cap PowerPro
2545-0046	Fuel Tank HY160/200
2545-0048	ON/OFF Switch HY160/200
2545-0050	Low Oil Sensor HY160/200
2545-0052	Oil Dipstick HY160/200
2545-0054	Ignition Module HY160/200
2545-0057	Carburetor HY160
2545-0058	Carburetor HY200
2545-0061	Engine Gasket Kit HY160/200
	Head Gasket HY160
	Head Gasket HY200
	Exhaust Pipe Gasket
	Crank Oil Seal (2)
	Crankcase Cover Gasket
	Valve Cover Gasket
	Carb Gaskets (4)

Model HY270 and HY390
HY270 - 2541-0047
HY390 - 2541-0048, 2541-0049, 2541-0050, 2541-0051

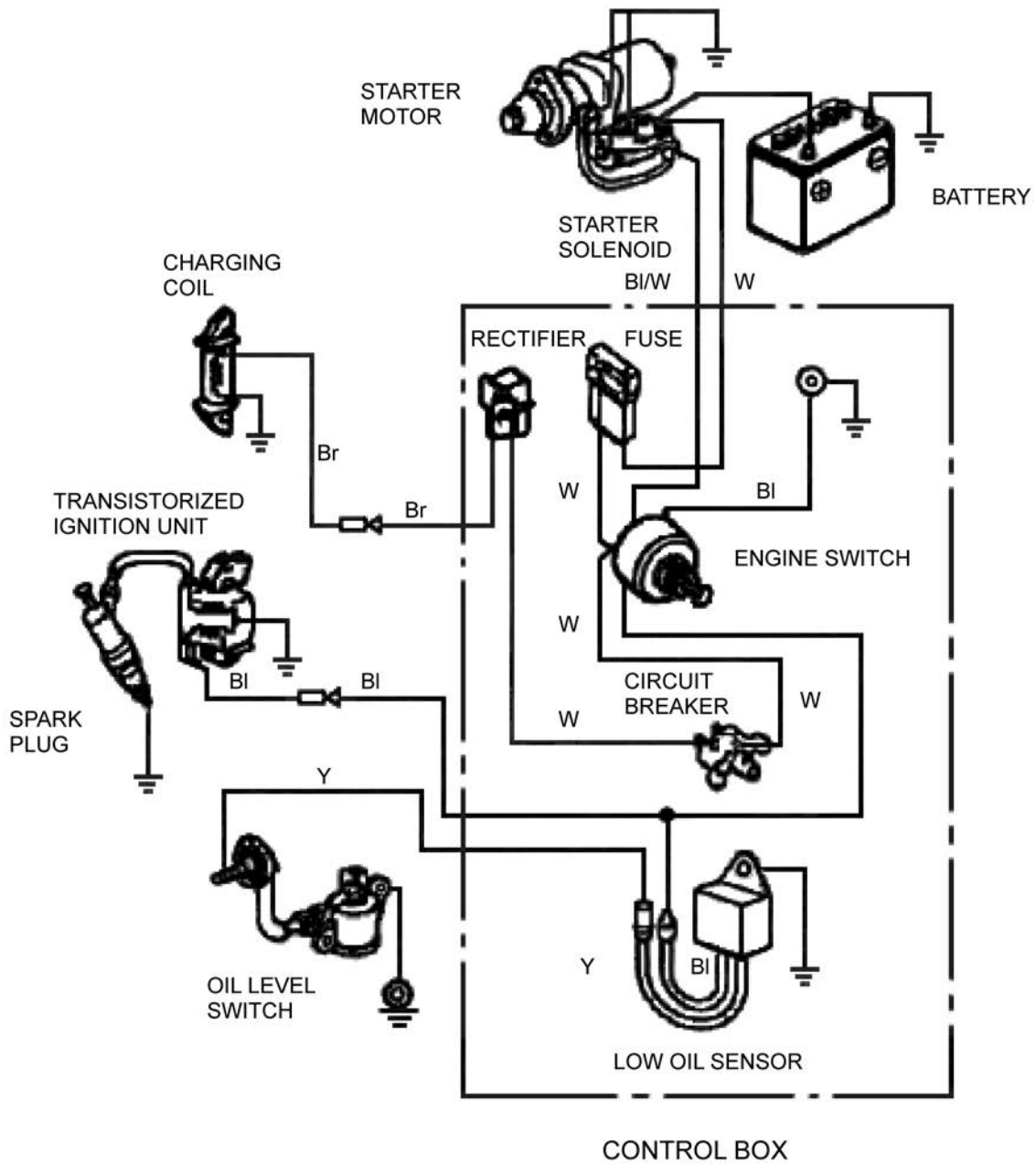
Part Number	Description
2545-0031	Muffler w/Cover HY270
2545-0032	Muffler w/Cover HY390
2545-0034	Air Cleaner Cover HY270
2545-0035	Air Cleaner Cover HY390
2545-0037	Air Cleaner Element HY270
2545-0038	Air Cleaner Element HY390
2545-0040	Flywheel Shroud HY270
2545-0041	Flywheel shroud HY390
2545-0043	Recoil Assembly HY270
2545-0044	Recoil Assembly HY390
2545-0045	Fuel Cap PowerPro
2545-0047	Fuel Tank HY270/390
2545-0049	ON/OFF Switch HY270/390
2545-0051	Low Oil Sensor HY270/390
2545-0053	Oil Dipstick HY270/390
2545-0055	Ignition Module HY270
2545-0056	Ignition Module HY390
2545-0059	Carburetor HY270
2545-0060	Carburetor HY390
2545-0062	Engine Gasket Kit HY270/390
	Head Gasket HY270
	Head Gasket HY390
	Exhaust Pipe Gasket
	Crank Oil Seal HY270 (2)
	Crank Oil Seal HY390 (2)
	Crank Cover Gasket HY270
	Crank Cover Gasket HY390
	Valve Cover Gasket
	Carb Gaskets (5)

Wiring Diagrams

ENGINE SWITCH

	IG	E	ST	BAT
OFF	○—○			
ON				
START			○—○	

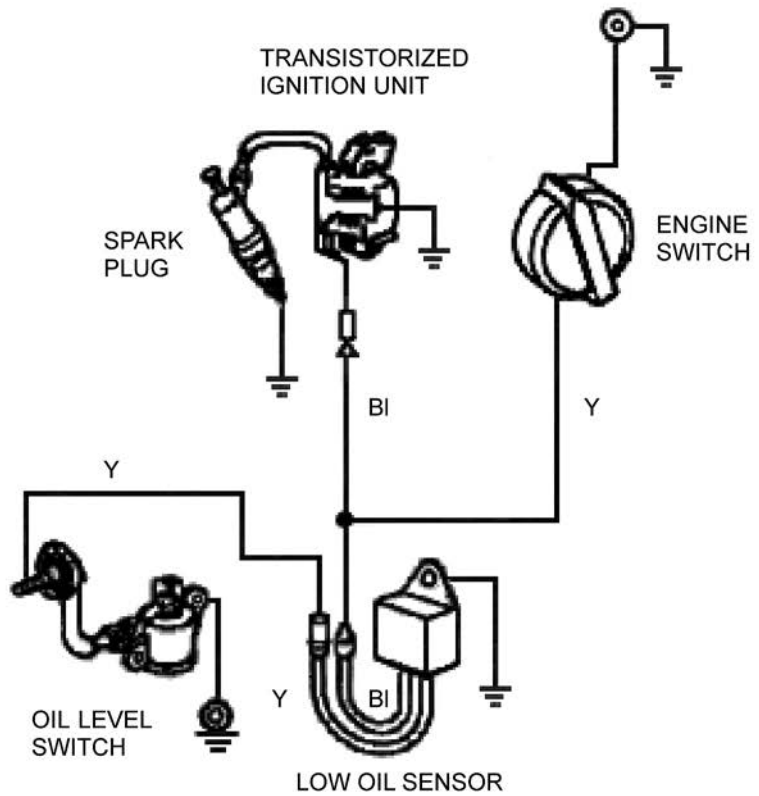
Bl	BLACK	Br	BROWN
Y	YELLOW	R	RED
W	WHITE	G	GREEN



Wiring Diagrams

Engine Type with Oil Alert and without Electric Starting

BI	BLACK
Y	YELLOW
G	GREEN



Optional Parts

BATTERY

Use a battery rated at 12V, 18Ah or more.

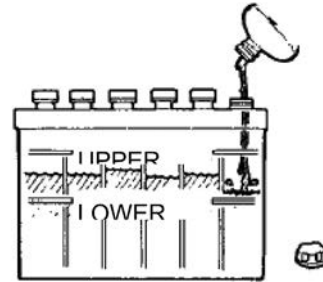
NOTICE

Do not reverse polarity. Serious damage to the engine and/or battery may occur.

⚠ WARNING

A battery can explode if you do not follow the correct procedure, seriously injuring anyone nearby. Keep all sparks, open flames and smoking materials away from the battery.

Check the electrolyte level to be sure that it is between the marks on the case. If the level is below the lower mark, remove the caps and add distilled water to bring the electrolyte level to the upper mark. The cells should be equally full.



Emissions Warranty

California, U.S. EPA, and Pentair Emissions Control Warranty Statement Your Warranty Rights and Obligations

The California Air Resources Board, U.S. EPA and Pentair are pleased to explain the emissions control system warranty on your engine/equipment. In California, new small off-road engines and large spark ignited engines less than or equal to 1.0 liter must be designed, built, and equipped to meet the State's stringent anti-smog standards. Pentair must warrant the emissions control system on your PowerPro™ engine/equipment for the periods of time listed below provided there has been no abuse, neglect, or improper maintenance of your engine or equipment. Your emissions control system may include parts such as the carburetor or fuel injection system, fuel tank, ignition system, and catalytic converter. Also included may be hoses, belts, connectors, sensors and other emissions-related assemblies. Where a warrantable condition exists, Pentair will repair your engine/equipment at no cost to you including diagnosis, parts and labor.

California:

Pentair PowerPro™ engines available for sale in California can be identified by part number (2541 prefix) and engine emissions label. These models comply with CARB emission standards.

Other States and U.S. territories:

In other areas of the United States, Pentair PowerPro™ engines can be identified by part number (2543 prefix) and engine emissions label. These models comply with U.S. EPA emission standards and are not available for sale in California.

Manufacturer's Warranty Coverage:

Small off-road engines and large spark ignited engines less than or equal to 1.0 liter are warrant for two years. If any emissions-related part on your engine/equipment is defective, the part will be repaired or replaced by Pentair.

Owner's Warranty Responsibilities:

As the engine/equipment owner, you are responsible for the performance of the required maintenance listed in your owner's manual. Pentair recommends that you retain all receipts covering maintenance on you engine/equipment, but Pentair cannot deny warrant solely for the lack of receipts or your failure to ensure the performance of all scheduled maintenance. As the engine/equipment owner, you should however be aware that Pentair may deny you warranty coverage if your engine/equipment or a part has failed due to abuse, neglect, improper maintenance or unapproved modifications. You are responsible for presenting you engine/equipment to a Pentair distribution center, servicing dealer, or other equivalent entity, as applicable, as soon as a problem exists. The warranty repairs should be completed in a reasonable amount of time, not to exceed 30 days. If you have any questions regarding your warranty rights and responsibilities, you should contact Pentair at 800-PowerPro (800-769-3777) or hypro.service@pentair.com

Pentair Emissions Control Warranty Provisions

The following are specific provisions relative to your Emissions Control Warranty Coverage. It is in addition to the Pentair engine warranty for non-regulated engines found in the Operator's Manual.

1. Warranted Emissions Parts

Coverage under this warranty extends only to the parts listed below (the emissions control systems parts) to the extent these parts were present on the engine purchased.

a. Fuel Metering System

- Cold start enrichment system (soft choke)
- Carburetor and internal parts
- Fuel pump
- Fuel line, fuel line fittings, clamps
- Fuel tank, cap and tether
- Carbon canister

b. Air Induction System

- Air cleaner
- Intake manifold
- Purchase and vent line

c. Ignition System

- Spark plug(s)
- Magneto ignition system

d. Catalyst System

- Catalytic converter
- Exhaust manifold
- Air injection system or pulse valve

e. Miscellaneous Items Used in Above Systems

- Vacuum, temperature, position, time sensitive valves and switches
- Connectors and assemblies

2. Length of Coverage

For a period of two years from date of original purchase, Pentair warrants to the original purchaser and each subsequent purchaser that the engine is designed, built, and equipped so as to conform with all applicable regulations adopted by the Air Resources Board; that it is free from defects in material and workmanship that could cause the failure of a warranted part; and that it is identical in all material respects to the engine described in the manufacturer's application for certification. The Warranty period begins on the date the engine is originally purchased.

The warranty on emissions related parts is as follows:

- Any warranted part that is scheduled for replacement as required maintenance in the owner's manual supplied, is warranted for the warranty period stated above. If any such part fails during the period of warranty coverage, the part will be repaired or replaced by Pentair at no charge to the owner. Any such part repaired or replaced under the warranty will be warranted for the remaining warranty period.
- Any warranted part that is scheduled only for regular inspection in the owner's manual supplied, is warranted for the warranty period stated above. Any such part repaired or replaced under warranty will be warranted for the remaining warranty period.
- Any warranted part that is scheduled for replacement as required maintenance in the owner's manual supplied, is warranted for the period of time prior to the first scheduled replacement point for that part. If the part fails prior to the first scheduled replacement, the part will be repaired or replaced by Pentair at no charge to the owner. Any such part repaired or replaced under warranty will be warranted for the remainder of the period prior to the first scheduled replacement point for the part.
- Add on or modified parts that are not exempted by the Air Resources Board may not be used. The use of any non-exempted add on or modified parts by the owner will be grounds for disallowing a warranty claim. The manufacturer will not be liable to warrant failures of warranted parts caused by the use of a non-exempted add on or modified part.

3. Consequential Coverage

Coverage shall extend to the failure of any engine components caused by the failure of any warranted emissions parts.

4. Claims and Coverage Exclusions

Warranty claims shall be filed according to the provisions of the Pentair engine warranty policy. Warranty coverage does not apply to failures of emissions parts that are not original equipment Pentair parts or to parts that fail due to abuse, neglect, or improper maintenance as set forth in the Pentair engine warranty policy. Pentair is not liable for warranty coverage of failures of emissions parts caused by the use of add-on or modified parts.

Look for Relevant Emissions Durability Period and Air Index Information On Your Small Off-Road Engine Emissions Label

Engines that are certified to meet the California Air Resources Board (CARB) small off-road Emissions Standard must display information regarding the Emissions Durability Period and the Air Index. Pentair makes this information available to the consumer on our emissions labels. The engine emissions label will indicate certification information.

The Emissions Durability Period describes the number of hours of actual running time for which the engine is certified to be emissions compliant, assuming proper maintenance in accordance with the Operating and Maintenance Instructions. The following categories are used:

Moderate:

Engine is certified to be emissions compliant for 125 hours of actual engine running time.

Intermediate:

Engine is certified to be emissions compliant for 250 hours of actual engine running time.

Extended:

Engine is certified to be emissions compliant for 500 hours of actual engine running time.

For example, a typical gas engine powered transfer pump is used 20-25 hours per year. Therefore, the Emissions Durability Period of an engine with a Moderate rating would equate to 5-6 years.

Pentair's PowerPro™ engines are certified to meet the United States Environmental Protection Agency (USEPA) Phase 3 emissions standards. For Phase 3 certified engines, the Emissions Compliance Period referred to on the Emissions Compliance label indicates the number of operating hour for which the engine has been shown to meet Federal emissions requirements.

For engine less than 225 cc displacement.

Category C = 125 hours, Category B = 250 hours, Category A = 500 hours

For engines of 225 cc or more displacement.

Category C = 250 hours, Category B = 500 hours, Category A = 1000 hour

Limited Warranty on PowerPro Gasoline Engines

Hypro warrants to the original purchaser of its PowerPro gasoline engine to be free from defects in material and workmanship under normal use for the period of one (1) year from the date of purchase. This warranty does not cover freight damage, normal wear and tear, or damage caused by misapplication, lack of routine maintenance, negligence, alterations, or repair that affects the performance or reliability of the engine (see limitations and exclusions listed below). The repair or replacement of any part or parts under this Limited Warranty shall not extend the terms of the warranty beyond the original warrantable period.

THIS WARRANTY IS EXCLUSIVE. HYPRO MAKES NO OTHER WARRANTY, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

Hypro's obligation under this warranty is, at Hypro's option, to either repair or replace free of charge, any part, or parts of the engine upon return of the entire product to the Hypro factory in accordance with the return procedures set forth below. **THIS IS THE EXCLUSIVE REMEDY FOR ANY BREACH OF WARRANTY.**

LIMITATIONS AND EXCLUSIONS: This Limited Warranty shall not apply to:

1. Bent or broken crankshaft or damage caused by vibration related to a bent or broken crankshaft. Also, damage caused by loose engine mounting bolts or improper or imbalanced accessories.
2. Repairs required because of prolonged storage including damage caused by old or contaminated fuel in the fuel tank, fuel lines or carburetor, sticky valves or corrosion and rust of engine parts.
3. Repair required due to overheating. Common causes of overheating are clogged or damaged flywheel, fan, inlet air passages, cooling fins or air shrouds.
4. Damaged or broken parts caused by low oil levels or dirty or improper grade of motor oil.
5. Engine tune-ups and normal maintenance services including, but not limited to, fuel and lubricating oil, valve adjustments and normal replacement of service items.
6. Dirt or grit related wear caused by improper air cleaner maintenance. The damages include but not limited to worn pistons, piston rings, cylinders, valves, valve guides, carburetors and other internal components.
7. Engines that have been serviced or repaired with parts or components not manufactured or approved by Hypro.
8. Engines that have been serviced by someone other than Hypro or its dealerships.
9. Instances when normal use has worn out the component or a engine without any signs of breakage or defects.

IN NO EVENT SHALL HYPRO BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES OF ANY KIND, WHETHER FOR BREACH OF ANY WARRANTY, FOR NEGLIGENCE, ON THE BASIS OF STRICT LIABILITY, OR OTHERWISE.

Return Procedures

All engines must be flushed of any flammable liquids before being shipped* to Hypro for service or warranty consideration.

For technical or application assistance, call the **Hypro Technical/Application number: 1-800-PowerPro (800-769-3777)**, or send an email to: **technical@hypropumps.com**. To obtain service, warranty assistance, or a Return Merchandise Authorization number, call the **Hypro Service and Warranty number: 1-800-468-3428**; or send a fax to the **Hypro Service and Warranty FAX: (651) 766-6618**.

Be prepared to give Hypro full details of the problem, including the following information:

1. Model number, date and the company from whom you purchased your PowerPro engine.
2. Approximate number of hours on the engine.
3. In what application the engine is currently being used.
4. Maintenance that has been done on the engine prior to failure.

Hypro may request additional information to help determine the cause of failure. **Contact the factory to receive a return material authorization number (RMA) before sending the product. The customer is responsible for all transportation charges related to warranty work. If found warrantable, returned product(s) will be sent back to the customer at Hypro's expense. Non-warrantable items will be evaluated and an estimate of repair will be sent to the customer.**

Please send products back prepaid to:

HYPRO / PENTAIR
Attention: Service Department
375 Fifth Avenue NW
New Brighton, Minnesota 55112

* Carriers, including U.S.P.S., airlines, UPS, ground freight, etc., require specific identification of any hazardous materials being shipped. Failure to do so may result in a substantial fine and/or prison term. Check with your shipping company for specific instructions.



375 Fifth Avenue NW • New Brighton, MN 55112
Phone: (651) 766-6300 • 800-424-9776 • Fax: 800-323-6496
www.hypropumps.com



APPENDIX II

UDOR Diaphragm Pump Manual

An exploded view diagram of a diaphragm pump assembly, showing various components like the pump head, diaphragm, and mounting brackets. The UDOOR USA logo is prominently displayed in green.

UDOR[®]
USA

***Diaphragm Pumps
&
Accessories***

*Service Manual
&
Parts Breakdown
Guide*

Diaphragm Pumps & Accessories
Service Manual & Parts Breakdown Guide

Service Manual	2-11
ZETA Series	12-46
IOTA Series	47-51
KAPPA Series	52-68
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Gear Reductions	101-109
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SAFETY SYMBOLS

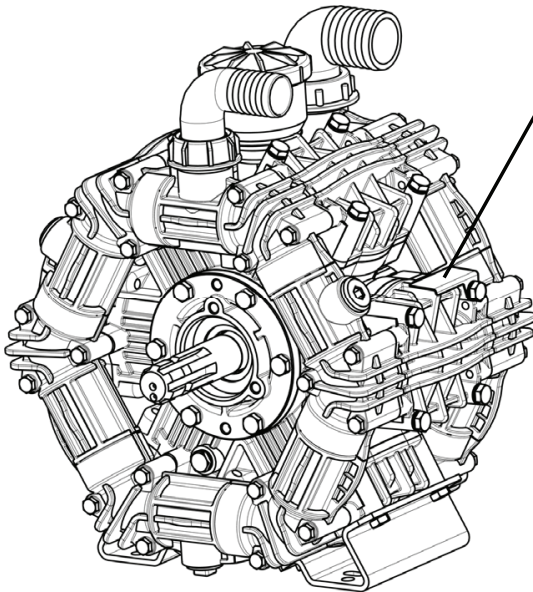
The “**WARNING**” symbol here at the side draws the operator’s attention to situations and/or problems related to the correct **operation of the Pump**.



The “**DANGER**” symbol here at the side draws the operator’s attention to situations and/or problems that could compromise **the safety of people**.



PUMP IDENTIFICATION



UDOR		ZETA 300 TS 2C		Rubiera (RE) - Italy		www.udor.it	
RPM	bar	PSI	l/min	GPM	HP	KW	
0	0	0	295	77.9	3	2.2	
1500	20	290	288	76.1	14.8	10.9	
849600			2011312/33ED47		MADE IN ITALY		
USE OIL SAE 15W-40							

The Label on the Pump bears the Model, the Code, the Serial Number and the main technical specifications with the maximum operational values of the product. The specimen at the side is an example of a Label and its position on the Pump.

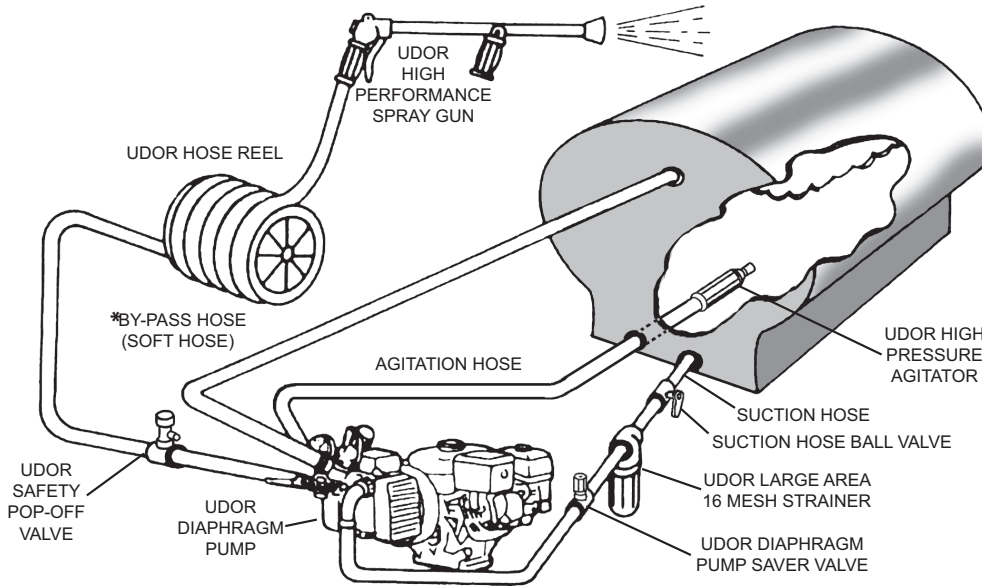
- KEEP SUCTION HOSE BALL VALVE OPEN WHENEVER SYSTEM IS BEING OPERATED.
- BY-PASS HOSE MUST BE OPEN AND UNRESTRICTED AT ALL TIMES
- MAKE SURE ALL FEED TANKS HAVE PROPER BAFFLES AND VENTING
- NEVER INSTALL AN AGITATOR OR PALL VALVE ON THE BY-PASS HOSE. USE SOFT HOSE ONLY.
- NEVER RUN ANY PUMP WITHOUT A PRESSURE VALVE OR PRESSURE REGULATING VALVE INSTALLED.
- ALWAYS KEEP THE BY-PASS LINE AS FAR AWAY AS POSSIBLE FROM THE SUCTION HOSE LINE TO PREVENT AERATION OR CAVITATION OF THE FLUID BEING PUMPED.
- ONLY USE FILTER SCREENS THAT ARE BETWEEN 10 & 20 MESH ON THE INLET SIDE OF THE PUMP. NEVER USE A FINE FILTER SCREEN ON THE INLET SIDE OF A DIAPHRAGM PUMP

NOTE: Protect the pump and system from freezing. If freezing conditions exist, flush the pump, all hoses and complete system with a 50/50 mixture of anti-freeze and water. ** DO NOT RUN PUMP WITH FROZEN FLUID **

WARNING! DO NOT PUMP OR FLUSH PUMP WITH ANY FLAMMABLE, EXPLOSIVE, CAUSTIC OR CORROSIVE FLUIDS. DO NOT USE ANY OF THESE PRODUCTS IN AN EXPLOSIVE ATMOSPHERE. FAILURE TO FOLLOW THIS WARNING CAN RESULT IN PERSONAL INJURY OR PROPERTY DAMAGE AND WILL VOID ANY AND ALL WARRANTIES.

PLUMBING DIAGRAMS

TYPICAL LAWN CARE/PEST CONTROL SPRAYER



FAILURE TO FOLLOW THESE IMPORTANT INSTRUCTIONS WILL VOID ANY AND ALL WARRANTIES

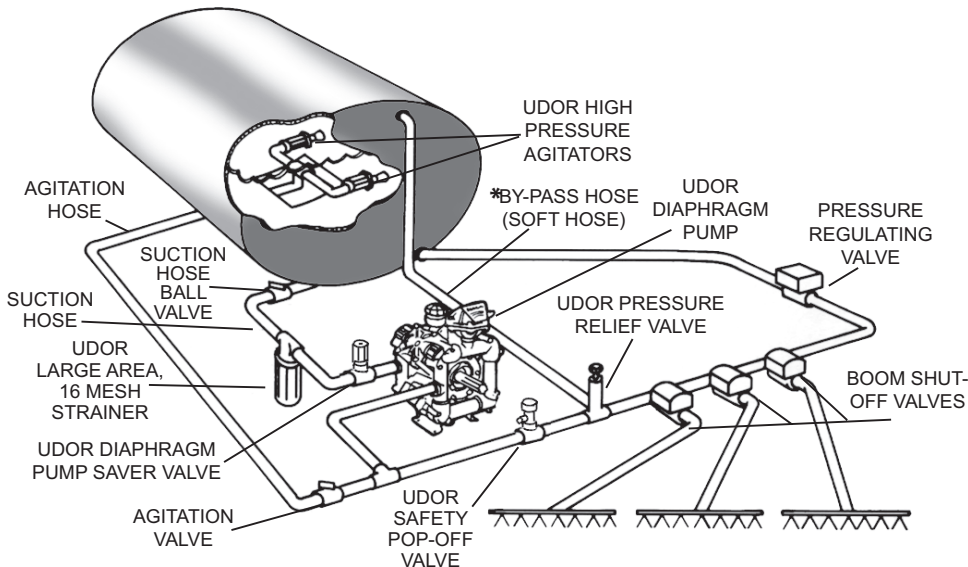
NOTE: All plumbing accessories should be the same or greater diameter as the feed line. All ball valves should be full port valves only.

On any tank feed system each pump must be fed by its own separate feed line only. Never feed multiple pumps with one common feed line.

FEED TANK SIZE: A recommended minimum feed tank size is 6-10 times the maximum GPM output rating of the pump or pumps being used.

SAMPLE: 10 GPM PUMP x 6= 60 GALLON MINIMUM FEED TANK SIZE.

TYPICAL ROW CROP SPRAYER WITH ELECTRIC CONTROLS



USE BLUE THREADLOCKER OR EQUIVALENT ON ALL PLUMBING COMPONENTS, FITTINGS AND ACCESSORIES.

WARNING! UDOT Diaphragm Pumps are positive displacement pumps, therefore a properly designed pressure relief valve or pressure regulating valve must be installed on the pump or in the discharge plumbing. A secondary safety relief valve is also recommended. Failure to install a pressure relief valve or pressure regulating valve could result in personal injury, property damage or damage to the pump or system and void any warranty. In no way does UDOT USA assume any liability or responsibility for the construction or operation of a customer's or potential customer's high pressure system.

***By-pass hoses must be open and unrestricted at all times.
Never install an agitator on the by-pass line.**

REFER TO THE PROPER PUMP BREAKDOWN AND DIAPHRAGM PUMP SERVICE GUIDE BEFORE PERFORMING ANY MAINTENANCE OR SERVICING OF THE PUMP. www.udorusa.com

UDOR diaphragm and plunger pumps “pump volume”, not pressure. The pressure is determined by adjusting the pressure regulating valve and selecting the proper orifice size of spray nozzle or nozzles.

NEVER run any UDOR diaphragm pump without a pressure regulating valve installed on the pump or in the discharge plumbing.

PROBLEM	CAUSE	REMEDY
<ul style="list-style-type: none"> • NO PRESSURE • VERY LITTLE PRESSURE • PRESSURE DROPS BELOW WORKING RANGE WHEN RELIEF VALVE IS OPEN TO BOOM OR GUN 	<ol style="list-style-type: none"> 1) Plugged filter* restricting flow 2) Suction hose obstruction 3) Collapsed suction hose inside or outside tank restricting flow 4) Pump drawing air through suction line hoses or fittings 5) Pressure relief valve stuck or worn 6) Excessive tank foam due to low tank volume 7) Nozzle volume is greater than pump capacity 8) One or more pump valves / check valves seating improperly 	<ul style="list-style-type: none"> • Clean filter screen • Clear obstruction • Replace collapsed hose • Examine hoses and fittings, ensure air tight fit and no leaks • Repair or replace relief valve • Refill tank • Reduce nozzle orifice size or number of nozzles used • Clean or replace pump valves / check valves
<ul style="list-style-type: none"> • PRESSURE GAUGE FLUCTUATES WILDLY • EXCESSIVE PULSATION 	<ol style="list-style-type: none"> 1) Pulsation dampener pressure too low or too high 2) Pump drawing air through suction line hoses or fittings 3) Plugged filter* restricting flow 4) Air not entirely evacuated from pump cavity 	<ul style="list-style-type: none"> • Adjust pulsation dampener pressure (Refer to pulsation dampener setting on Pump Operation Sheet) • Examine hoses and fittings, ensure air tight fit and no leaks • Clean filter screen • Run pump with an open discharge to totally evacuate air
<ul style="list-style-type: none"> • PUMP DOES NOT DRAW WATER 	<ol style="list-style-type: none"> 1) Pump drawing air through suction line hoses or fittings 2) Plugged filter* restricting flow 3) One or more pump valves / check valves seating improperly 	<ul style="list-style-type: none"> • Examine hoses and fittings, ensure air tight fit and no leaks • Clean filter screen • Clean or replace pump valves / check valves
<ul style="list-style-type: none"> • PUMP OIL HAS MILKY COLOR OR OIL PLUG POPS OUT 	<ol style="list-style-type: none"> 1) One or more diaphragms have ruptured 	<ul style="list-style-type: none"> • Replace all diaphragms • Clean filter screen
<p>* NOTE - Only use filter screens that are between 10 & 20 mesh. Never use a fine filter screen on the inlet side of a diaphragm pump.</p>		

WARNING!: DO NOT PUMP OR FLUSH PUMP WITH ANY FLAMMABLE, EXPLOSIVE, CAUSTIC OR CORROSIVE FLUIDS. DO NOT USE ANY OF THESE PRODUCTS IN AN EXPLOSIVE ATMOSPHERE. FAILURE TO FOLLOW THIS WARNING CAN RESULT IN PERSONAL INJURY OR PROPERTY DAMAGE AND WILL VOID ANY AND ALL WARRANTIES.

**CAREFULLY READ AND FOLLOW THESE INSTRUCTIONS BEFORE OPERATING YOUR UDOR PUMP.
FAILURE TO FOLLOW THESE INSTRUCTIONS MAY DAMAGE PUMP AND VOID WARRANTY.**

WARNING!: UDOR Diaphragm Pumps are positive displacement pumps, therefore a properly designed pressure relief valve or pressure regulating valve must be installed on the pump or in the discharge plumbing. A secondary safety relief valve is also recommended. Failure to install a pressure relief valve or pressure regulating valve could result in personal injury, property damage or damage to the pump or system and void any warranty. In no way does UDOR USA assume any liability or responsibility for the construction or operation of a customer's or potential customer's high pressure system.

**REFER TO THE PROPER PUMP BREAKDOWN AND DIAPHRAGM PUMP SERVICE GUIDE
BEFORE PERFORMING ANY MAINTENANCE OR SERVICING OF THE PUMP. www.udorusa.com**

1. HOW THE PUMP WORKS (The diaphragm is what separates the pump oil from the spray material.)

Each piston DOWNSTROKE lowers the piston-attached diaphragm, drawing spray material into pump head. As the piston passes below cylinder sleeve side openings, oil is pulled into lower diaphragm cavity. During each piston UPSTROKE the cushion of oil between the piston and the diaphragm hydraulically pushes and cushions the diaphragm as the piston tops out. This discharges the fluid in the pump head. The lower diaphragm cavity oil cushion also lubricates the diaphragm and piston ensuring minimal mechanical wear. REMEMBER: low oil level causes excessive mechanical wear on diaphragms and internal components. The transparent oil sight gauge makes oil checks easy. Keep filled to mark on sight gauge.

2. PRESSURE REGULATING VALVE

A proper pressure regulating valve directs the fluid in your system and also provides a by-pass or return feature for the fluid to travel when the discharge flow of the pump is shut off. Never run any UDOR Diaphragm Pump without a pressure regulating valve installed on the pump or in the discharge plumbing. Always start the pump with the pressure regulating valve in full by-pass or with minimal spring tension on the pressure adjustment knob or handle.

3. BEFORE OPERATING SYSTEM

Open suction valve and check tightness of suction lines, fittings and filter.

4. DO NOT RUN PUMP WITH A STARVED SUCTION

The diaphragm pump will not suffer if run dry due to an empty tank. However, a "starved" suction due to a clogged strainer or a closed suction valve will cause premature failure of the pump diaphragms. NOTE: Only use filter screens that are between 10 & 20 mesh. Never use a fine filter screen on the inlet side of a diaphragm pump.

5. SUCTION VALVE (To prevent pump damage, shut down system before closing suction valve.)

This valve is in the system to close off tank flow for emergency system repair or if strainer screen requires unexpected cleaning after a tank refill. (Strainer screen should be cleaned just before each tank refill.)

6. MAINTAIN PROPER OIL LEVEL

The crankcase oil plays a dual role. It lubricates all moving parts and is hydraulically functional in the pumping capacity. Oil supports the diaphragm during each pressure stroke. It is important to maintain the recommended oil level, marked on the oil sight gauge. Only use UDOR LUBE premium pump oil. For any pump with a gear reduction, make sure the gear box is filled to the center of the sight glass or to the level plug with 90 wt. gear lube before operating.

7. PUMP VALVES OR CHECK VALVES

Every UDOR Diaphragm Pump has two valves per cylinder or head assembly. One valve lets fluid "IN" each head assembly (suction) and the other valve lets fluid "OUT" of each head assembly (discharge). Pay very close attention to valve placement when reinstalling the head assemblies during diaphragm replacements, pump maintenance or when servicing the pump.

8. PRESSURE GAUGE

Install pressure gauge as close as possible to the outlet or discharge of the pump, or on the high pressure manifold. This is extremely important for adjusting pressure regulating devices and for proper sizing of nozzle or restricting orifice. The pump is rated for a maximum pressure, which should be read at the pump only, not at the gun or nozzle.

9. DO NOT OVER SPEED PUMP

UDOR diaphragm pumps are designed to operate at or below a specific RPM. Over speeding will cause valves and diaphragms to prematurely fail and could cause other internal damage. Refer to the performance chart of your specific pump for maximum operating RPM. Most UDOR Diaphragm Pumps are rated at 540 RPM max.

10. PULSATION DAMPENER INTRODUCTION

It is the nature of diaphragm pumps to have some pulsation. This is caused by sudden changes in piston direction. The pulsation dampener has one function in the pumping system: to reduce pulsation by providing a cushion of air to bump against. The UDOR pulsation dampener uses a rubber bladder to separate the air cushion from the solution being pumped.

11. PULSATION DAMPENER SETTING

The basic rule is to fill the pulsation dampener to twenty percent (20%) of the system working pressure. If you have your spraying pressure set at 100 psi, the setting for the pulsation dampener should be 20 psi. Always shut down the pump before adding air to the pulsation dampener or checking its pressure. Air supply can be from a compressor or a manual type pump. The dome containing air is small. Take care to apply the pressure gauge evenly on the air valve to prevent air from leaking out of the pulsation dampener. It is not uncommon to lose 5-10 psi when checking pulsation dampener pressure. NOTE: 2-cylinder diaphragm pumps may require more air than 20% of operating pressure. 20 psi is the minimum pulsation dampener pressure. DO NOT RUN PUMP WITH LESS THAN 20 PSI IN THE PULSATION DAMPENER.

WARNING!: DO NOT PUMP OR FLUSH PUMP WITH ANY FLAMMABLE, EXPLOSIVE, CAUSTIC OR CORROSIVE FLUIDS. DO NOT USE ANY OF THESE PRODUCTS IN AN EXPLOSIVE ATMOSPHERE. FAILURE TO FOLLOW THIS WARNING CAN RESULT IN PERSONAL INJURY OR PROPERTY DAMAGE AND WILL VOID ANY AND ALL WARRANTIES.
PUMP OPERATIONS UDOR DIAPHRAGM PUMPS

1. DRAIN CRANKCASE OIL

Drain pump crankcase by removing the oil drain plug located at the bottom of the pump. Also remove the oil fill cap or plug. NOTE: On older pump models that DO NOT have the oil drain plug, oil needs to be drained after the head, diaphragm and piston sleeve have been removed. NOTE: When re-installing piston sleeves, the oil holes must always align parallel with the pump crankshaft.

2. EXTERNAL MANIFOLD REMOVAL

If your pump has external manifolds, these must be removed prior to head removal.

3. HEAD REMOVAL

Remove the head bolts, and then remove the pump heads which may require some "light" prying.

4. DIAPHRAGM REMOVAL

Turn crankshaft to bring piston up to the top of its stroke, remove the diaphragm bolt and washer, then remove the diaphragm.

5. CRANKCASE CLEANING

To properly clean the crankcase you need to remove the piston sleeves and wash the crankcase with parts washing solution or equivalent. Before re-installing the piston sleeves, apply a light coating of oil to both the pistons and sleeves. NOTE: Make sure the oil holes in the piston sleeve align parallel with the pump crankshaft.

6. INSTALLING NEW DIAPHRAGMS

Install the diaphragm bolt and washer into the new diaphragm. Install this assembly to the piston, flat side of the diaphragm down. Use blue threadlocker or equivalent on the diaphragm bolt. Then torque to the recommended specs. Now rotate crankshaft to bring the piston and diaphragm to the bottom of its stroke. Then seat the outside edge of the diaphragm into the pump body.

7. HEAD INSTALL

When reinstalling the pump heads, it is very IMPORTANT to make sure that the pump valves or check valves are installed correctly. For each cylinder or head assembly there are two valves, one valve lets fluid "IN" the head assembly (suction), the other valve lets fluid "OUT" of the head assembly (discharge). PAY VERY CLOSE ATTENTION TO THIS! Then torque pump heads to rated torque specs. WARNING: Never run any UDOR diaphragm pump with the pump valves or check valves installed incorrectly. Failure to follow this warning could result in personal injury, property damage or damage to the pump and will void any and all warranties.

8. INSTALLING PULSATION DAMPENER DIAPHRAGM

Bleed off the air in the chamber and then remove the cover bolts, cover and diaphragm. Install the new diaphragm dome down. Reinstall cover and torque to recommended specs. Recharge dampener with air to 20% of the pumps operating pressure.

9. REFILL PUMP CRANKCASE

Check the oil drain plug, making sure that it is installed in the crankcase. Fill the pump with UDOR LUBE premium pump oil or SAE 30 weight non-detergent oil to the recommended mark on the oil sight glass/gauge; about halfway on the oil sight glass/gauge. Rotate the crankshaft while filling to eliminate air pockets.

10. INITIAL START UP

Run pump for five minutes under NO Load condition or in full by-pass only. This will evacuate any remaining air pockets in the crankcase. Turn pump off and re-check oil level. Refill as necessary to proper oil level.

IMPORTANT: During initial start up, monitor the oil color. If it turns milky white, the diaphragms were not seated or installed correctly.

WARNING!: UDOR Diaphragm Pumps are positive displacement pumps, therefore a properly designed pressure relief valve or pressure regulating valve must be installed on the pump or in the discharge plumbing. A secondary safety relief valve is also recommended. Failure to install a pressure relief valve or pressure regulating valve could result in personal injury, property damage or damage to the pump or system and void any warranty. In no way does UDOR USA assume any liability or responsibility for the construction or operation of a customer's or potential customer's high pressure system.

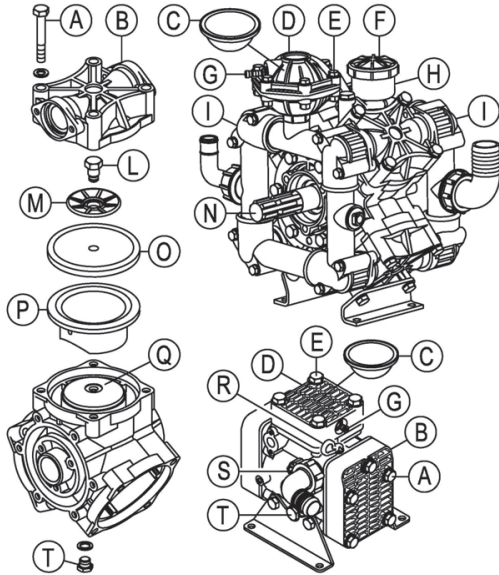
ROUTINE MAINTENANCE

If the Pump is used for light-duty purposes, the following routine maintenance jobs are advised:

- After the first 50 hours: Oil change .
- Every 500 hours: Oil change - Replace the diaphragms (see instructions below)
- Every 1000 hours: Replace the valves

For heavy-duty purposes, carry out the maintenance jobs more often.

- DIAPHRAGM REPLACEMENT INSTRUCTIONS -



1. DRAIN CRANKCASE OIL: Drain Pump crankcase by removing the oil drain plug (T) located at the bottom of the Pump, also remove the oil fill cap (F) or plug (R).

2. EXTERNAL MANIFOLD REMOVAL: If your Pump has external manifolds (I), these must be removed prior to heads (B) removal.

3. HEAD REMOVAL: Do repairs one head (B) at a time. Remove the head bolts (A), then remove the Pump head (B) which may require some "light" prying.

4. DIAPHRAGM REMOVAL: Turn crankshaft (N) to bring piston (Q) up to the top of its stroke, remove the diaphragm bolt (L) and washer (M), then remove the diaphragm (O). If necessary, take off one sleeve (P) and wash well the internal components using diesel fuel. The sleeve (P) must be re-mounted in the same position as before.

5. INSTALLING NEW DIAPHRAGMS: Clean well the threaded hole of the piston (Q). Install the diaphragm bolt (L) and washer (M) into the new diaphragm (O).

Install this assembly to the piston (Q). Use Loctite 243 thread locker or equivalent on the diaphragm bolt (L). Then torque to the recommended specifications (see page 19). Now rotate crankshaft (N) to bring the piston (Q) and diaphragm (O) to the bottom of its stroke. Then seat the outside edge of the diaphragm (O) into the Pump body.

5. INSTALLING NEW DIAPHRAGMS: Clean well the threaded hole of the piston (Q). Install the diaphragm bolt (L) and washer (M) into the new diaphragm (O). Install this assembly to the piston (Q). Use Loctite 243 thread locker or equivalent on the diaphragm bolt (L). Then torque to the recommended specifications (see page 19). Now rotate crankshaft (N) to bring the piston (Q) and diaphragm (O) to the bottom of its stroke. Then seat the outside edge of the diaphragm (O) into the Pump body.

6. HEAD INSTALL: When reinstalling the Pump head (B) it is very important to make sure that the check valves are installed correctly. For each cylinder there are two valves, one valve lets the fluid flow into to the head, the other valve lets the fluid flow out of the head. PAY VERY CLOSE ATTENTION TO THIS. After having correctly positioned the Pump head (B), tighten the screws (A) with the proper torque (see TORQUE SPECS).

7. INSTALLING PULSATION DAMPENER DIAPHRAGM: Bleed off the air in the chamber using the air-valve (G) on the dampener, then remove the cover bolts (E), cover (D) and diaphragm (C), install correctly the new diaphragm (C). Reinstall cover (D) and tighten the screws (A) with the proper torque (see page 19). Recharge dampener with air according to UDOR specifications at page 13.

8. REFILL PUMP CRANKCASE: Re-mount the oil drain plug (T). Fill Pump with SAE 15W-40 OIL to recommended mark on the oil reservoir (H) or on the sight glass (S). Rotate the crankshaft (N) while filling to eliminate air pockets. Re-mount the oil fill cap (F) or the oil fill plug (R).

9. INITIAL START UP: Start the Pump with the outlet line at "0" pressure; after about 5 minutes at "0" pressure you may increase the outlet pressure and make a few cycles of pressure on/off. This will evacuate any remaining air pockets in the crankcase. Turn Pump off and re-check oil level. Refill as necessary to proper oil level.

IMPORTANT: During initial start up, monitor the oil color. If it turns milky white, the diaphragms were not seated correctly.

REFER TO THE PROPER PUMP BREAKDOWN AND DIAPHRAGM PUMP SERVICE GUIDE BEFORE PERFORMING ANY MAINTENANCE OR SERVICING OF THE PUMP. www.udorusa.com

Establishing and following a maintenance schedule is a good investment. It will add greatly to the longevity of your pump and your sprayer.

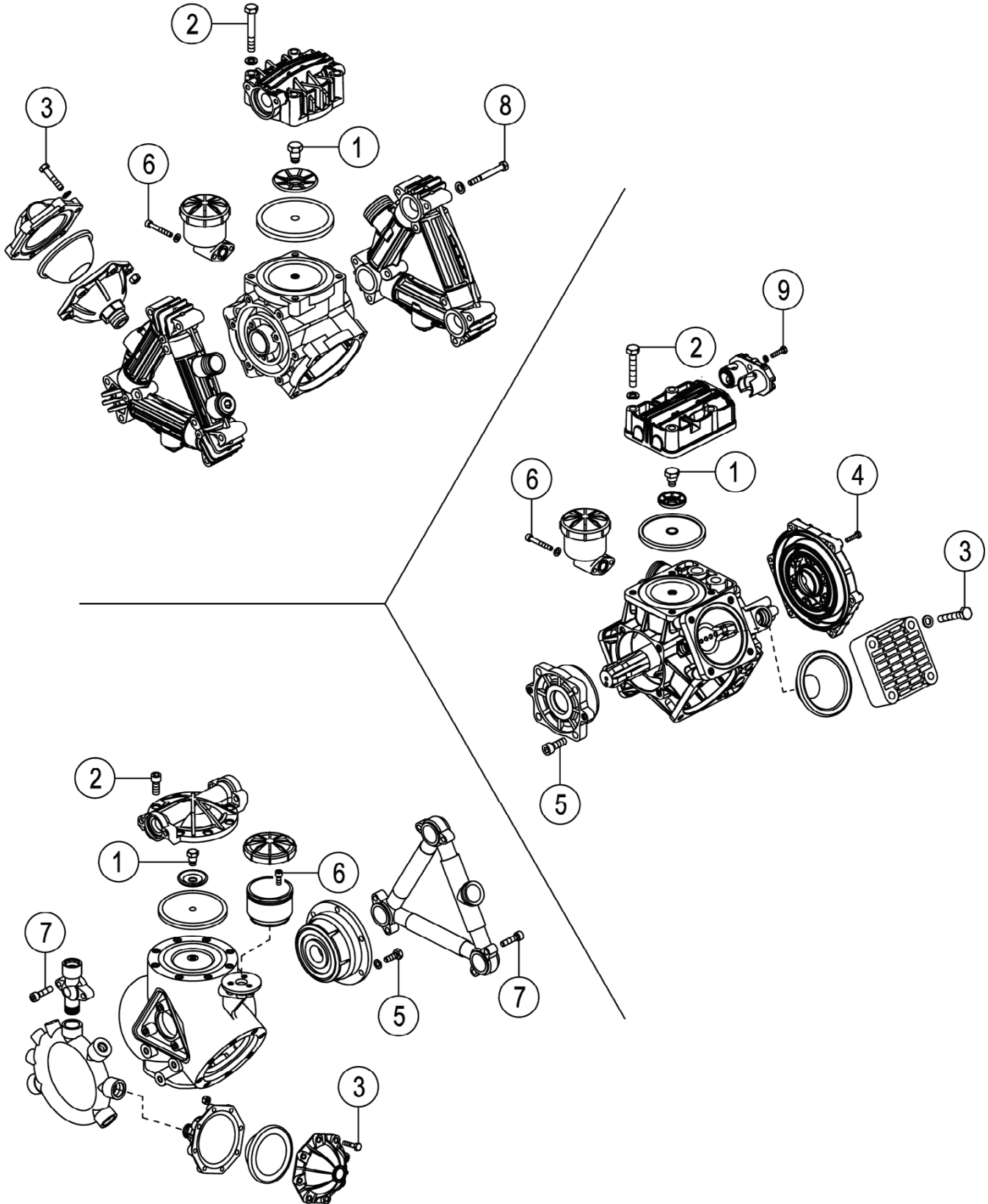
UDOR DIAPHRAGM PUMP MAINTENANCE PROCEDURES

- STEP NO. 1** "AFTER EACH USE" Flush pump with clean water. Most diaphragm "attacks" occur when chemicals are left sitting in the pump. These few minutes of cleaning are well spent, extending diaphragm life and minimizing chemical buildup throughout the system
- STEP NO. 2** "AFTER EVERY 500 HOURS OF USE OR AT SEASON'S END" (whichever comes first). Install a new set of diaphragms. Inspect pump valves / check valves for spring fatigue and seat wear. Change oil using UDOR LUBE premium pump oil or a non-detergent 30 weight oil: rotate shaft while filling. This evacuates most unwanted air pockets. Run pump for five minutes under "no-load" condition or in full by-pass only. This evacuates remaining air pockets from diaphragm cavity. Re-check oil level. *Refer to proper pump breakdown and Diaphragm Pump Service Guide before installing new diaphragms or servicing the pump.
- STEP NO. 3** "WINTER STORAGE" Perform Step 1 (above), then, with tank empty and suction and discharge valves "open," run pump one minute to ensure complete drainage of pump heads and lines. Re-circulate anti-freeze at low pressure only and leave in system to complete winterizing procedure.
- STEP NO. 4** "RE-STARTING AFTER WINTER STORAGE" Before re-starting the pump after anti-freezing, make sure to purge all anti-freeze from pump and complete system at low pressure only. Anti-freeze will foam under high pressure and can cause severe damage to the pump and pressure regulator. Failure to follow this step will void any and all warranty.
- NOTE:** Allow anti-freeze to replace any possible water in hoses and booms. If a handgun is in the system, run anti-freeze through the hose and handgun into tank lid opening to clear and/or dilute water. (Depending on the length of hose and size of tank, more than one gallon of anti-freeze may be required to protect the system from freezing). **DO NOT RUN PUMP WITH FROZEN FLUID**-

WARNING!: DO NOT PUMP OR FLUSH PUMP WITH ANY FLAMMABLE, EXPLOSIVE, CAUSTIC OR CORROSIVE FLUIDS. DO NOT USE ANY OF THESE PRODUCTS IN AN EXPLOSIVE ATMOSPHERE. FAILURE TO FOLLOW THIS WARNING CAN RESULT IN PERSONAL INJURY OR PROPERTY DAMAGE AND WILL VOID ANY AND ALL WARRANTIES.

OIL CAPACITIES & WEIGHTS

SERIES	RECOMMENDED OIL QUANTITY				PUMP WEIGHT	
	Kg.	Lbs.	Lt.	Oz.	Kg.	Lbs.
ZETA 70	0,50	1.10	0,56	19.2	9	20
ZETA-P 40 ZETA-P 85 ZETA-P 100	1,02	2.25	1,14	38.4	12	26
ZETA 85	1,02	2.25	1,14	38.4	12	26
ZETA 100	1,02	2.25	1,14	38.4	13	29
ZETA 120 ZETA 140	1,04	2.29	1,16	40.0	18	40
ZETA 170	1,15	2.54	1,28	43.5	24	53
ZETA 200	1,15	2.54	1,28	43.5	26	57
ZETA 230 ZETA 260	2,40	5.29	2,68	91.0	36	79
ZETA 300	2,50	5.51	2,79	95.0	38	84
ZETA 350 ZETA 400	4,10	9.04	4,58	155	63	139
IOTA 20 IOTA 25	0,18	0.40	0,20	6.4	4	9
KAPPA 15	0,10	0.22	0,11	4.0	2,5	5.5
KAPPA 25 KAPPA 32	0,26	0.57	0,29	10.0	8	18
KAPPA 40 KAPPA 50	0,49	1.08	0,55	19.2	11	24
KAPPA 33 KAPPA 43 KAPPA 53	0,56	1.23	0,63	22.0	11	24
KAPPA 55 KAPPA 65	0,62	1.37	0,69	23.0	13	29
DELTA 75	1,04	2.29	1,16	40.0	19	42
DELTA 100	1,02	2.25	1,14	38.4	22	49
DELTA 125	1,82	4.01	2,03	69.0	30	66
DELTA 140	1.45	3.20	1.62	54.0	28	62
DELTA 170	1.80	3.96	2.00	66.0	43	94
OMEGA 135	1.45	3.20	1.62	54.0	28	62
OMEGA 139	1.45	3.20	1.62	54.0	28	62
OMEGA 170	2,42	5.33	2,70	91.0	45	99
BETA-S 135	1.45	3.20	1.62	54.0	28	62
BETA 110	2,14	4.72	2,39	81.0	45	99
BETA 170	2,42	5.33	2,70	91.0	52	115
BETA 200 BETA 240	4,50	9.92	5,03	170	75	165

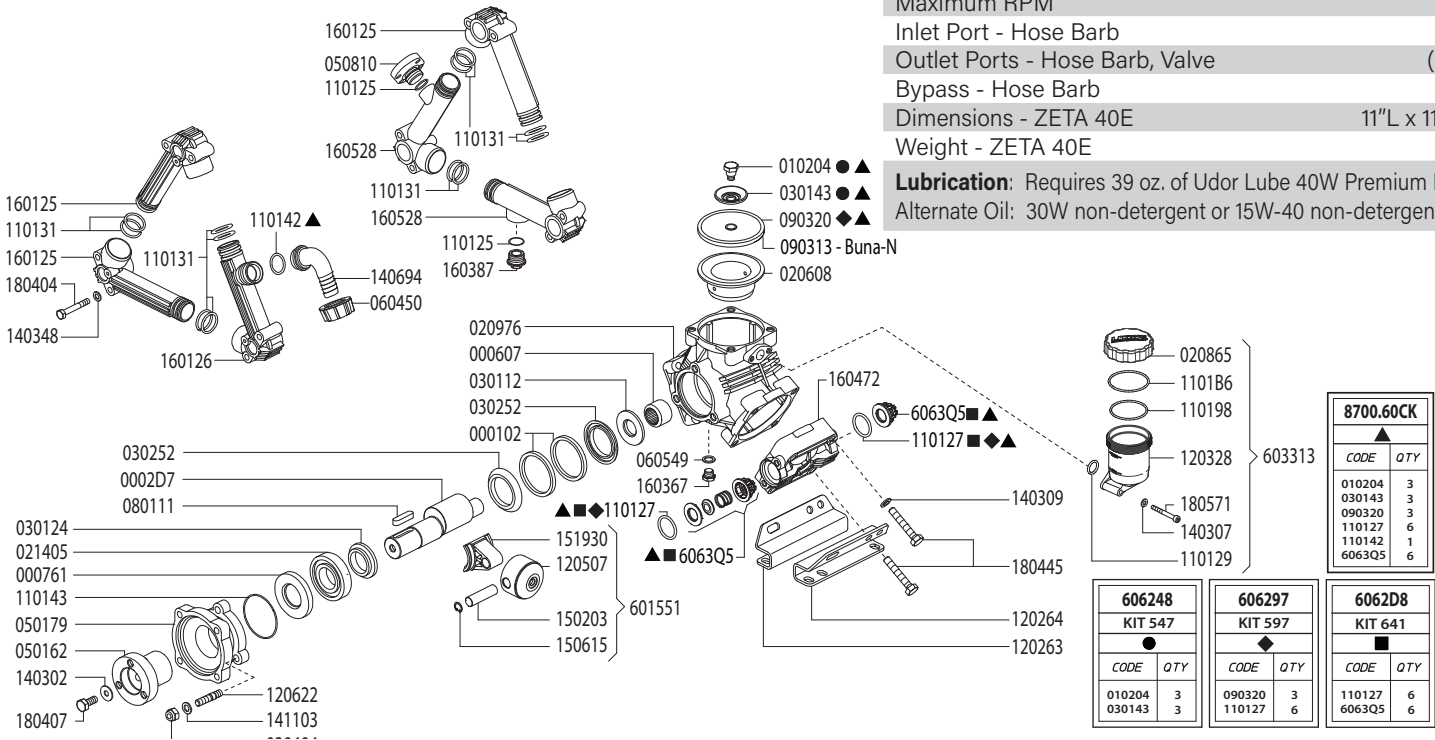


TORQUE SPECIFICATIONS

MOD.	1 Diaphragm Bolt (use Loctite® 243)		2 Head Bolts		3 Pulsation Dampener Bolts		4 Inlet Flange Bolts		5 Bearing Flange Bolts		6 Oil Cup Bolts		7 Manifold Bolts (Aluminium / Brass)		8 Manifold Bolts (Plastic)		9 Valves Cover Bolt	
	N•m	lbf•ft	N•m	lbf•ft	N•m	lbf•ft	N•m	lbf•ft	N•m	lbf•ft	N•m	lbf•ft	N•m	lbf•ft	N•m	lbf•ft	N•m	lbf•ft
ZETA 70	25	18	25	18	---	---	---	---	---	---	8	6	---	---	10	7	---	---
ZETA-P 40 ZETA-P 85 ZETA-P 100	\	18	40	30	---	---	---	---	---	---	8	6	---	---	20	14	---	---
ZETA 85	25	18	40	30	---	---	---	---	---	---	8	6	---	---	20	14	---	---
ZETA 100	25	18	40	30	25	18	---	---	---	---	8	6	---	---	20	14	---	---
ZETA 120 ZETA 140	30	22	40	30	25	18	---	---	---	---	8	6	---	---	20	14	---	---
ZETA 170 ZETA 200	30	22	40	30	25	18	---	---	34	25	8	6	---	---	20	14	---	---
ZETA 230 ZETA 260 ZETA 300	30	22	40	30	---	---	---	---	34	25	8	6	---	---	20	14	---	---
ZETA 350 ZETA 400	30	22	85	63	---	---	---	---	34	25	10	7	30	22	20	14	---	---
IOTA 20 IOTA 25	14	10	25	18	25	18	---	---	25	18	---	---	---	---	---	---	---	---
KAPPA 15	14	10	14	10	14	10	---	---	10	7	---	---	---	---	---	---	---	---
KAPPA 25 KAPPA 32	25	18	40	30	40	30	---	---	---	---	---	---	---	---	---	---	---	---
DELTA 40 DELTA 50	25	18	40	30	40	30	---	---	34	25	---	---	---	---	---	---	---	---
KAPPA 33 KAPPA 43 KAPPA 53	25	18	40	30	---	---	10	7	---	---	8	6	---	---	---	---	---	---
KAPPA 55 KAPPA 65	25	18	40	30	40	30	10	7	34	25	8	6	---	---	---	---	---	---
DELTA 75	25	18	40	30	40	30	10	7	34	25	8	6	---	---	---	---	25	18
DELTA 100	25	18	40	30	28	20	10	7	34	25	8	6	---	---	---	---	25	18
DELTA 125	25	18	40	30	28	20	10	7	34	25	8	6	---	---	---	---	25	18
DELTA 140	30	22	90	67	25	18	50	36	50	36	10	7	11	8	---	---	50	36
DELTA 170	30	22	90	67	25	18	50	36	50	36	10	7	11	8	---	---	50	36
OMEGA 135	30	22	85	63	---	---	---	---	34	25	10	7	30	22	---	---	---	---
OMEGA 139	30	22	85	63	---	---	---	---	34	25	10	7	30	22	---	---	---	---
OMEGA 170	30	22	50	37	28	20	---	---	34	25	10	7	30	22	---	---	---	---
BETA-S 135	30	22	85	63	---	---	---	---	34	25	10	7	30	22	---	---	---	---
BETA 110	30	22	50	37	28	20	---	---	34	25	10	7	30	22	---	---	---	---
BETA 170	30	22	50	37	28	20	---	---	34	25	10	7	30	22	---	---	---	---
BETA 200 BETA 240	30	22	50	37	---	---	---	---	34	25	10	7	30	22	---	---	---	---

Maximum Flow	10.5 GPM / 44 lpm
Maximum Pressure	300 PSI / 20 bar
Maximum RPM	550 RPM
Inlet Port - Hose Barb	1-1/4" HB
Outlet Ports - Hose Barb, Valve	(2) 1/2" HB
Bypass - Hose Barb	3/4" HB
Dimensions - ZETA 40E	11"L x 11"W x 12"H
Weight - ZETA 40E	29 lbs

Lubrication: Requires 39 oz. of Udor Lube 40W Premium Pump Oil.
Alternate Oil: 30W non-detergent or 15W-40 non-detergent oil.



8700.60CK	
CODE	QTY
010204	3
030143	3
090320	3
110127	6
110142	1
6063Q5	6

606248 KIT 547	
CODE	QTY
010204	3
030143	3

606297 KIT 597	
CODE	QTY
090320	3
110127	6

6062D8 KIT 641	
CODE	QTY
110127	6
6063Q5	6

Revised 2-8-2023

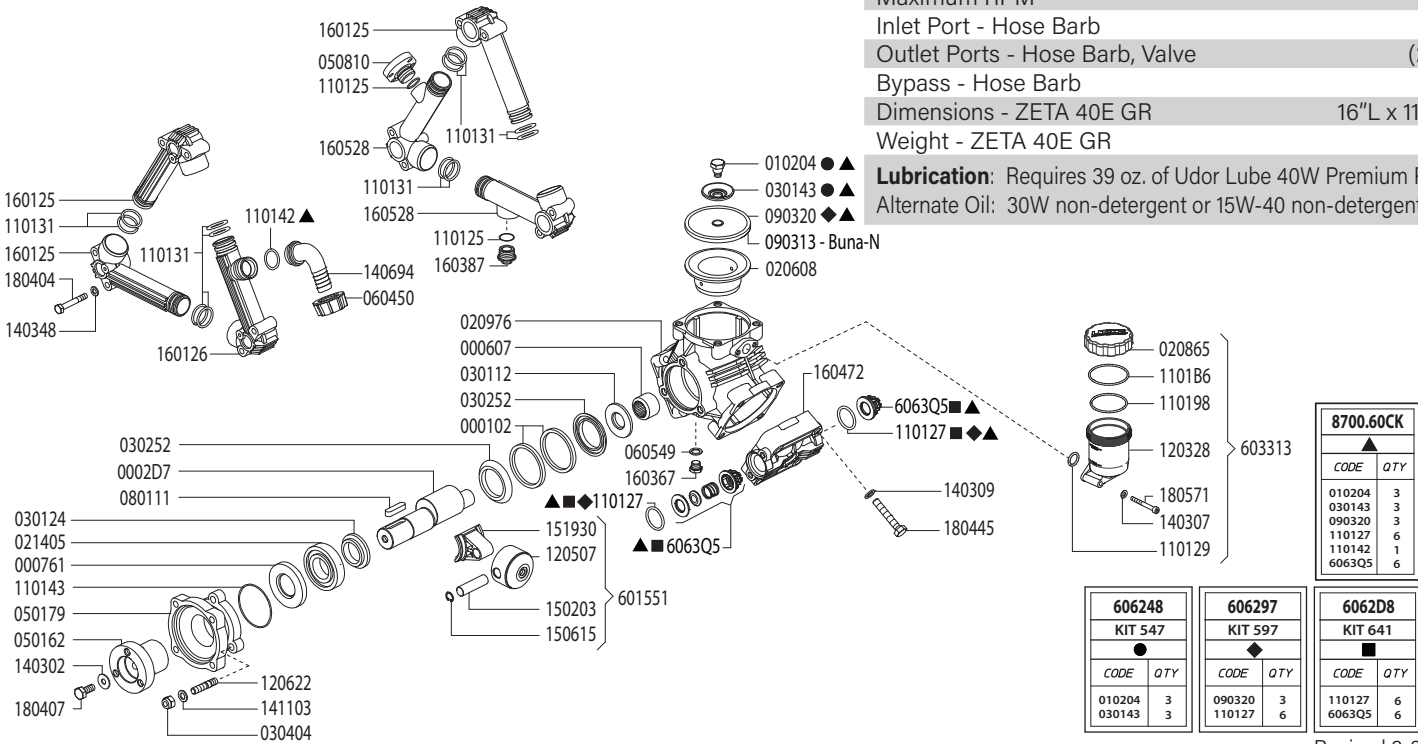
Part #	Description	Qty
0001.02	RETAINER RING	2
0002.D7	CRANKSHAFT	1
0006.07	BEARING D25	1
0007.61	OIL SEAL D35	1
0102.04	DIAPHRAGM BOLT ●▲	3
0206.08	PISTON SLEEVE D55	3
0208.65	OIL RESERVIOR CAP	1
0209.76	CRANKCASE	1
0214.05	BALL BEARING D35	1
0301.12	BEARING DISC D25	1
0301.24	BEARING DISC D35	1
0301.43	DIAPHRAGM WASHER ●▲	3
0302.52	ROD SPACER	2
0304.04	NY-LOCK NUT M10	3
0501.62	ADAPTER - VA	1
0501.79	FLANGE - VA	1
0508.10	REGULATOR MOUNTING ADAPTER	1
0604.50	BARB NUT G1-1/2"	1
0605.49	OIL PLUG GASKET	1
0801.11	KEY 10X8X40	1
0903.13	PISTON DIAPHRAGM 100mm,BUNA-N	3
0903.20	PISTON DIAPHRAGM 100mm,GREENTECH ◆▲	3
1101.25	O-RING - PLUG & ADAPTER	2
1101.27	O-RING - VALVE ◆■▲	6
1101.29	O-RING - OIL RESERVIOR	1
1101.31	O-RING - MANIFOLD	12
1101.42	O-RING - INLET BARB▲	1
1101.43	O-RING - FLANGE	1
1101.98	O-RING - OIL RESERVIOR	1
1101.B6	O-RING - OIL RESERVIOR	1
1202.63	MOUNTING RAIL - RIGHT SIDE	1
1202.64	MOUNTING RAIL - LEFT SIDE	1
1203.28	OIL RESERVIOR	1

Part #	Description	Qty
1205.07	ALUMINUM PISTON D55	3
1206.22	STUD M10X46	3
1403.02	WASHER M10	3
1403.07	WASHER M8	2
1403.09	WASHER M10	8
1403.48	WASHER M8	12
1406.94	SUCTION HOSE BARB 1-1/4"	1
1411.03	SERATED WASHER M10	3
1502.03	CONNECTING ROD PIN 15X48	3
1506.15	SNAP RING D15	3
1519.30	CONNECTING ROD	3
1601.25	INLET/OUTLET MANIFOLD TUBE	3
1601.26	SUCTION MANIFOLD TUBE G1-1/2" M	1
1603.67	OIL PLUG G1/4"	1
1603.87	MANIFOLD PLUG G3/4"	2
1604.72	HEAD	3
1605.28	DISCHARGE MANIFOLD TUBE G3/4" F	2
1804.04	HEX BOLT M8X55	12
1804.07	HEX BOLT M10X25	1
1804.45	HEX BOLT M10X60	12
1805.71	ALLEN BOLT M6X50	2
6015.51	PISTON / ROD ASSEMBLY D55	3
6033.13	OIL RESERVIOR ASSEMBLY	1
6063.Q5	VALVE ASSEMBLY W/O O-RING ■▲	6
6062.48	DIAPHRAGM WASHER/BOLT (KIT 547)	1
6062.97	DIAPHRAGM KIT - GREENTECH (KIT 597)	1
6062.D8	INLET/OUTLET VALVE KIT (KIT 641)	1
8700.60CK	COMPLETE REPAIR KIT	1

- Parts in 6062.48 (Kit 547)
- ◆ Parts in 6062.97 (Kit 597).
- Parts in 6062.D8 (Kit 641).
- ▲ Parts in 8700.60CK (Complete Repair Kit)

Maximum Flow	10.5 GPM / 44 lpm
Maximum Pressure	300 PSI / 20 bar
Maximum RPM	550 RPM
Inlet Port - Hose Barb	1-1/4" HB
Outlet Ports - Hose Barb, Valve	(2) 1/2" HB
Bypass - Hose Barb	3/4" HB
Dimensions - ZETA 40E GR	16"L x 11"W x 12"H
Weight - ZETA 40E GR	36 lbs

Lubrication: Requires 39 oz. of Udor Lube 40W Premium Pump Oil.
Alternate Oil: 30W non-detergent or 15W-40 non-detergent oil.



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010204	3
030143	3

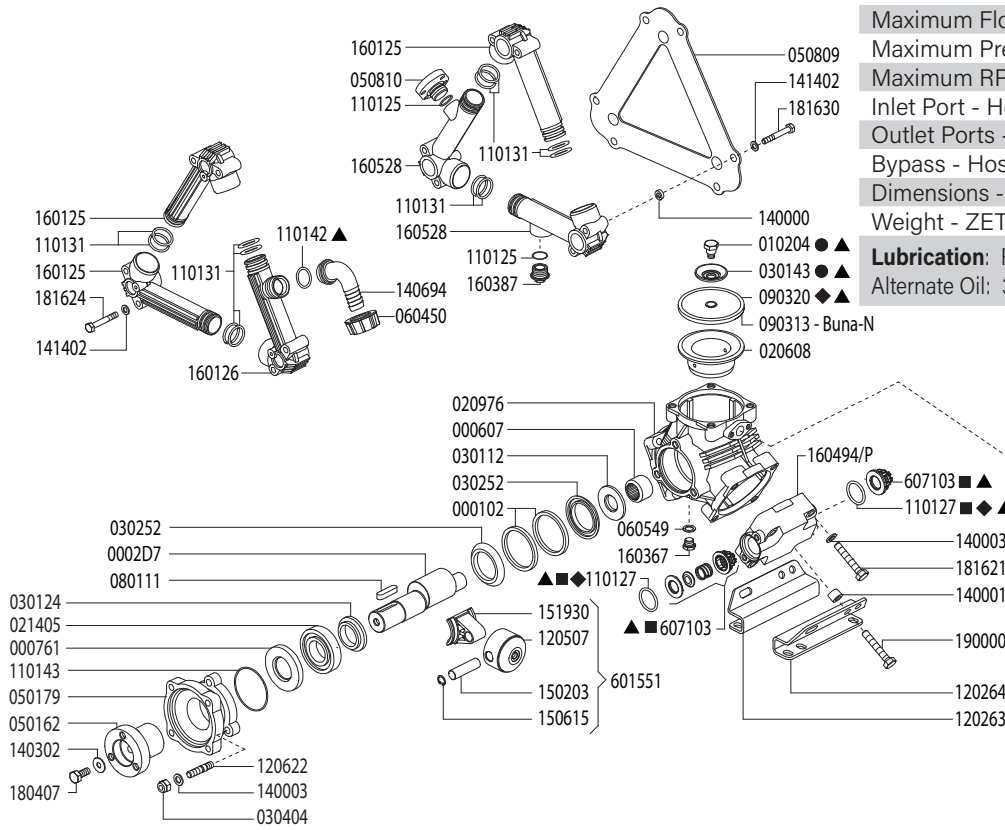
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6062D8 KIT 641	
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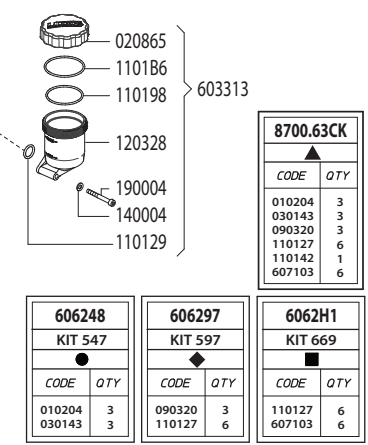
Part #	Description	Qty	Part #	Description	Qty
0001.02	RETAINER RING	2	1206.22	STUD M10X46	3
0002.D7	CRANKSHAFT	1	1403.02	WASHER M10	3
0006.07	BEARING D25	1	1403.07	WASHER M8	2
0007.61	OIL SEAL D35	1	1403.09	WASHER M10	12
0102.04	DIAPHRAGM BOLT ●▲	3	1403.48	WASHER M8	12
0206.08	PISTON SLEEVE D55	3	1406.94	SUCTION HOSE BARB 1-1/4"	1
0208.65	OIL RESERVIOR CAP	1	1411.03	SERATED WASHER M10	3
0209.76	CRANKCASE	1	1502.03	CONNECTING ROD PIN 15X48	3
0214.05	BALL BEARING D35	1	1506.15	SNAP RING D15	3
0301.12	BEARING DISC D25	1	1519.30	CONNECTING ROD	3
0301.24	BEARING DISC D35	1	1601.25	INLET/OUTLET MANIFOLD TUBE	3
0301.43	DIAPHRAGM WASHER ●▲	3	1601.26	SUCTION MANIFOLD TUBE G1-1/2" M	1
0302.52	ROD SPACER	2	1603.67	OIL PLUG G1/4"	1
0304.04	NY-LOCK NUT M10	3	1603.87	MANIFOLD PLUG G3/4"	2
0501.62	ADAPTER - VA	1	1604.72	HEAD	3
0501.79	FLANGE - VA	1	1605.28	DISCHARGE MANIFOLD TUBE G3/4" F	2
0508.10	REGULATOR MOUNTING ADAPTER	1	1804.04	HEX BOLT M8X55	12
0604.50	BARB NUT G1-1/2"	1	1804.07	HEX BOLT M10X25	1
0605.49	OIL PLUG GASKET	1	1804.45	HEX BOLT M10X60	12
0801.11	KEY 10X8X40	1	1805.71	ALLEN BOLT M6X50	2
0903.13	PISTON DIAPHRAGM 100mm,BUNA-N	3	6015.51	PISTON / ROD ASSEMBLY D55	3
0903.20	PISTON DIAPHRAGM 100mm,GREENTECH ◆▲	3	6033.13	OIL RESERVIOR ASSEMBLY	1
1101.25	O-RING - PLUG & ADAPTER	2	6063.Q5	VALVE ASSEMBLY W/O O-RING ■▲	6
1101.27	O-RING - VALVE ◆■▲	6	6062.48	DIAPHRAGM WASHER/BOLT (KIT 547)	1
1101.29	O-RING - OIL RESERVIOR	1	6062.97	DIAPHRAGM KIT - GREENTECH (KIT 597)	1
1101.31	O-RING - MANIFOLD	12	6062.D8	INLET/OUTLET VALVE KIT (KIT 641)	1
1101.42	O-RING - INLET BARB▲	1	8700.60CK	COMPLETE REPAIR KIT	1
1101.43	O-RING - FLANGE	1			
1101.98	O-RING - OIL RESERVIOR	1			
1101.B6	O-RING - OIL RESERVIOR	1			
1203.28	OIL RESERVIOR	1			
1205.07	ALUMINUM PISTON D55	3			

- Parts in 6062.48 (Kit 547)
- ◆ Parts in 6062.97 (Kit 597).
- Parts in 6062.D8 (Kit 641).
- ▲ Parts in 8700.60CK



Maximum Flow	10.5 GPM / 44 lpm
Maximum Pressure	300 PSI / 20 bar
Maximum RPM	550 RPM
Inlet Port - Hose Barb	1-1/4" HB
Outlet Ports - Hose Barb, Valve	(2) 1/2" HB
Bypass - Hose Barb	3/4" HB
Dimensions - ZETA 40P	11"L x 11"W x 12"H
Weight - ZETA 40P	29 lbs

Lubrication: Requires 39 oz. of Udor Lube 40W Premium Pump Oil.
 Alternate Oil: 30W non-detergent or 15W-40 non-detergent oil.



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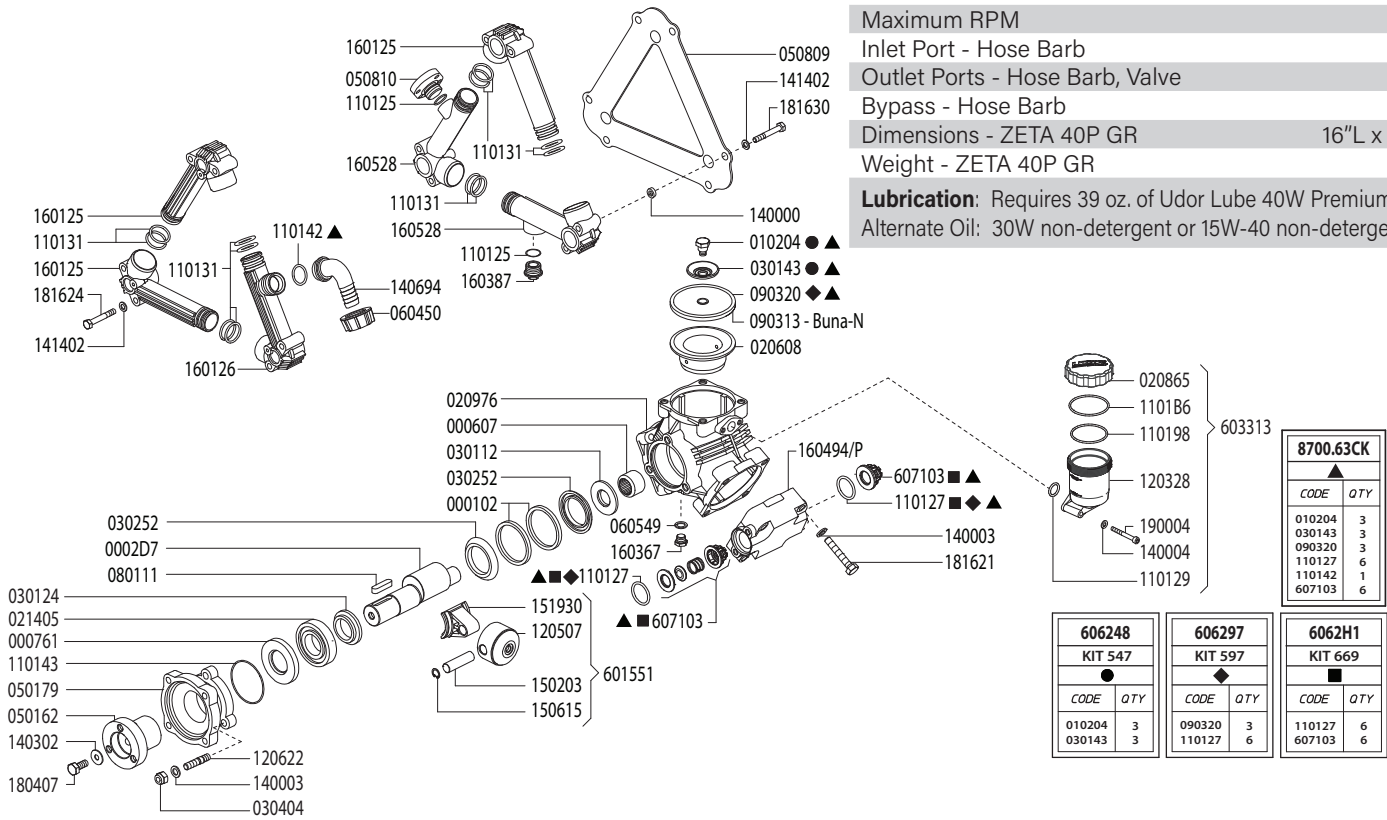
Part #	Description	Qty	Part #	Description	Qty
0001.02	RETAINER RING	2	1206.22	STUD M10X46	3
0002.D7	CRANKSHAFT	1	1400.00	DISCHARGE MANIFOLD SPACER S.S.	6
0006.07	BEARING	1	1400.01	RAIL SPACER S.S.	4
0007.61	SEAL	1	1400.03	HEAD BOLT WASHER S.S.	11
0102.04	DIAPHRAGM BOLT S.S. ●▲	3	1400.04	WASHER M8 S.S.	2
0206.08	PISTON SLEEVE	3	1403.02	WASHER M10	1
0208.65	OIL RESERVIOR CAP	1	1406.94	SUCTION ELBOW 1-1/4"	1
0209.76	CRANKCASE	1	1414.02	MANIFOLD WASHER S.S.	12
0214.05	BALL BEARING D35	1	1502.03	CONNECTING ROD PIN 15X48	3
0301.12	BEARING DISC D25	1	1506.15	SNAP RING	6
0301.24	BEARING DISC D35	1	1519.30	CONNECTING ROD	3
0301.43	DIAPHRAGM WASHER ●▲	3	1601.25	INLET/OUTLET MANIFOLD TUBE	3
0302.52	ROD SPACER	2	1601.26	SUCTION MANIFOLD TUBE G1-1/2" M	1
0304.04	NUT	3	1603.67	OIL PLUG G1/4	1
0501.62	ADAPTER - VA	1	1603.87	MANIFOLD PLUG G3/4	2
0501.79	FLANGE - VA	1	1604.94/P	HEAD - POLY	3
0508.09	DISCHARGE PLATE S.S.	1	1605.28	DISCHARGE MANIFOLD TUBE G3/4" F	2
0508.10	REGULATOR ADAPTER S.S.	1	1804.07	HEX BOLT M10X25	1
0604.50	BARB NUT	1	1900.00	RAIL BOLT S.S.	4
0605.49	OIL PLUG GASKET	1	1816.21	HEAD BOLT S.S.	12
0801.11	KEY 10X8X40	1	1816.24	SUCTION MANIFOLD BOLT S.S.	6
0903.13	PISTON DIAPHRAGM 100mm,BUNA-N	3	1816.30	DISCHARGE MANIFOLD BOLT S.S.	6
0903.20	PISTON DIAPHRAGM 100mm,GREENTECH ◆▲	3	1900.04	ALLEN BOLT M6X50 S.S.	2
1101.25	O-RING - PLUG & ADAPTER	2	6015.51	PISTON / ROD ASSEMBLY D55	3
1101.27	O-RING - VALVE ◆◆▲	6	6033.13	OIL RESERVIOR ASSEMBLY	1
1101.29	O-RING - OIL RESERVIOR	1	6071.03	VALVE ASSEMBLY 316SS W/O O-RING ■▲	6
1101.31	O-RING - MANIFOLD	12	6062.51	DIAPHRAGM WASHER/BOLT (KIT 547)	1
1101.42	O-RING - INLET BARB▲	1	6062.97	DIAPHRAGM KIT - GREENTECH (KIT 597)	1
1101.43	O-RING - FLANGE	1	6062.H1	INLET/OUTLET VALVE KIT (KIT 669)	1
1101.98	O-RING - OIL RESERVIOR	1	8700.63CK	COMPLETE REPAIR KIT	1
1101.B6	O-RING - OIL RESERVIOR	1			
1202.63	MOUNTING RAIL - RIGHT SIDE	1			
1202.64	MOUNTING RAIL - LEFT SIDE	1			
1203.28	OIL RESERVIOR	1			
1205.07	ALUMINUM PISTON D55	3			

- Parts in 6062.48 (Kit 547)
- ◆ Parts in 6062.97 (Kit 597).
- Parts in 6062.H1 (Kit 669).
- ▲ Parts in 8700.63CK (Complete Repair Kit)

ZETA 40P VAGR3/4

Maximum Flow	10.5 GPM / 44 lpm
Maximum Pressure	300 PSI / 20 bar
Maximum RPM	550 RPM
Inlet Port - Hose Barb	1-1/4" HB
Outlet Ports - Hose Barb, Valve	(2) 1/2" HB
Bypass - Hose Barb	3/4" HB
Dimensions - ZETA 40P GR	16"L x 11"W x 12"H
Weight - ZETA 40P GR	36 lbs

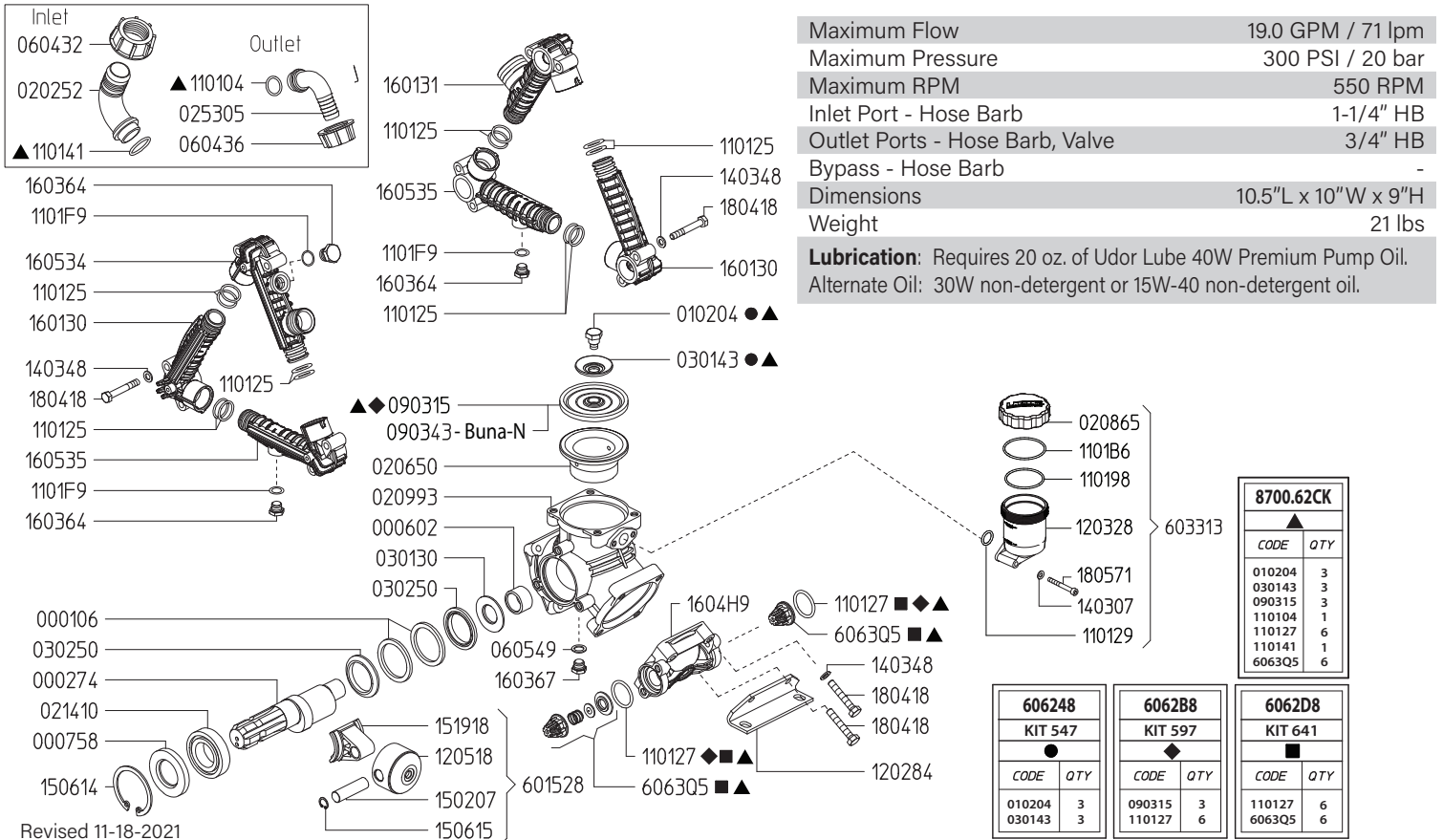
Lubrication: Requires 39 oz. of Udor Lube 40W Premium Pump Oil.
Alternate Oil: 30W non-detergent or 15W-40 non-detergent oil.



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Part #	Description	Qty	Part #	Description	Qty
0001.02	RETAINER RING	2	1206.22	STUD M10X46	3
0002.D7	CRANKSHAFT	1	1400.00	DISCHARGE MANIFOLD SPACER S.S.	6
0006.07	BEARING	1	1400.03	HEAD BOLT WASHER S.S.	15
0007.61	SEAL	1	1400.04	WASHER M8 S.S.	2
0102.04	DIAPHRAGM BOLT S.S. ●▲	3	1403.02	WASHER M10	1
0206.08	PISTON SLEEVE	3	1406.94	SUCTION ELBOW 1-1/4"	1
0208.65	OIL RESERVIOR CAP	1	1414.02	MANIFOLD WASHER S.S.	12
0209.76	CRANKCASE	1	1502.03	CONNECTING ROD PIN 15X48	3
0214.05	BALL BEARING D35	1	1506.15	SNAP RING	6
0301.12	BEARING DISC D25	1	1519.30	CONNECTING ROD	3
0301.24	BEARING DISC D35	1	1601.25	INLET/OUTLET MANIFOLD TUBE	3
0301.43	DIAPHRAGM WASHER ●▲	3	1601.26	SUCTION MANIFOLD TUBE G1-1/2" M	1
0302.52	ROD SPACER	2	1603.67	OIL PLUG G1/4	1
0304.04	NUT	3	1603.87	MANIFOLD PLUG G3/4	2
0501.62	ADAPTER - VA	1	1604.94/P	HEAD - POLY	3
0501.79	FLANGE - VA	1	1605.28	DISCHARGE MANIFOLD TUBE G3/4" F	2
0508.09	DISCHARGE PLATE S.S.	1	1804.07	HEX BOLT M10X25	1
0508.10	REGULATOR ADAPTER S.S.	1	1816.21	HEAD BOLT S.S.	12
0604.50	BARB NUT	1	1816.24	SUCTION MANIFOLD BOLT S.S.	6
0605.49	OIL PLUG GASKET	1	1816.30	DISCHARGE MANIFOLD BOLT S.S.	6
0801.11	KEY 10X8X40	1	1900.04	ALLEN BOLT M6X50 S.S.	2
0903.13	PISTON DIAPHRAGM 100mm,BUNA-N	3	6015.51	PISTON / ROD ASSEMBLY D55	3
0903.20	PISTON DIAPHRAGM 100mm,GREENTECH ◆▲	3	6033.13	OIL RESERVOIR ASSEMBLY	1
1101.25	O-RING - PLUG & ADAPTER	2	6071.03	VALVE ASSEMBLY 316SS W/O O-RING ■▲	6
1101.27	O-RING - VALVE ◆■▲	6	6062.51	DIAPHRAGM WASHER/BOLT (KIT 547)	1
1101.29	O-RING - OIL RESERVIOR	1	6062.97	DIAPHRAGM KIT - GREENTECH (KIT 597)	1
1101.31	O-RING - MANIFOLD	12	6062.H1	INLET/OUTLET VALVE KIT (KIT 669)	1
1101.42	O-RING - INLET BARB▲	1	8700.63CK	COMPLETE REPAIR KIT	1
1101.43	O-RING - FLANGE	1			
1101.98	O-RING - OIL RESERVIOR	1			
1101.B6	O-RING - OIL RESERVIOR	1			
1203.28	OIL RESERVOIR	1			
1205.07	ALUMINUM PISTON D55	3			

- Parts in 6062.48 (Kit 547)
- ◆ Parts in 6062.97 (Kit 597).
- Parts in 6062.H1 (Kit 669).
- ▲ Parts in 8700.63CK (Complete Repair Kit)



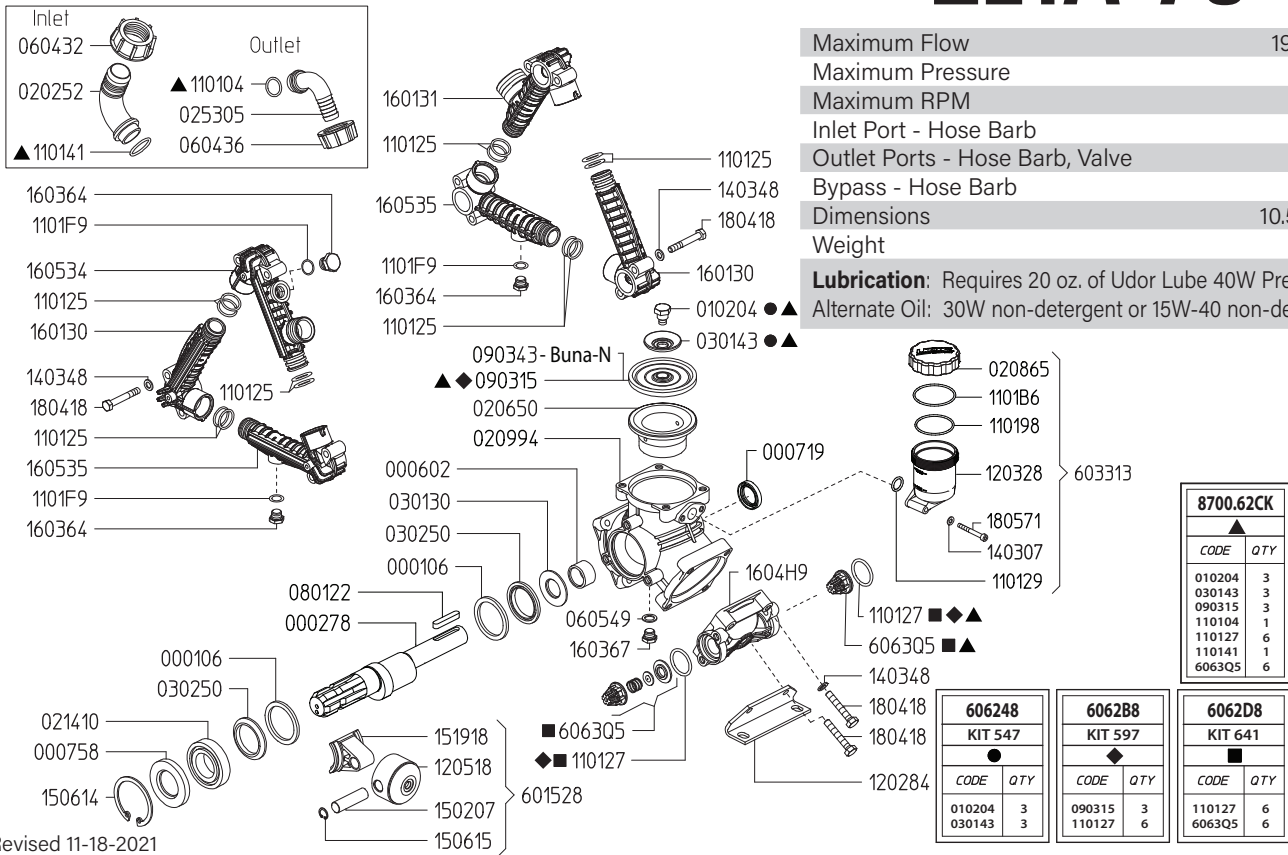
Maximum Flow	19.0 GPM / 71 lpm
Maximum Pressure	300 PSI / 20 bar
Maximum RPM	550 RPM
Inlet Port - Hose Barb	1-1/4" HB
Outlet Ports - Hose Barb, Valve	3/4" HB
Bypass - Hose Barb	-
Dimensions	10.5" L x 10" W x 9" H
Weight	21 lbs

Lubrication: Requires 20 oz. of Udor Lube 40W Premium Pump Oil.
Alternate Oil: 30W non-detergent or 15W-40 non-detergent oil.

Revised 11-18-2021

Part #	Description	Qty	Part #	Description	Qty
0001.06	RETAINER RING	2	1203.28	OIL RESERVIOR	1
0002.74	SHAFT 1C	1	1205.18	ALUMINUM PISTON D60	3
0006.02	BUSHING D25	1	1403.07	WASHER M6	2
0007.58	OIL SEAL D35	1	1403.48	WASHER M8	20
0102.04	DIAPHRAGM BOLT ●▲	3	1502.07	PIN 15X54	3
0202.52	INLET HOSE BARB D32	1	1506.14	SNAP RING D62	1
0206.50	SLEEVE D60	3	1506.15	SNAP RING D15	3
0208.65	OIL RESERVIOR CAP	1	1519.18	CONNECTING ROD	3
0209.93	CRANKCASE	1	1601.30	INLET/OUTLET MANIFOLD	2
0214.10	BALL BEARING D35	1	1601.31	SUCTION MANIFOLD G1-1/4" M	1
0253.05	OUTLET HOSE BARB D20	1	1603.64	PLUG G3/8	3
0301.30	BEARING DISC	1	1603.67	PLUG G1/4	1
0301.43	DIAPHRAGM WASHER ●▲	3	1604.H9	HEAD	3
0302.50	ROD SPACER	2	1605.34	OUTLET MANIFOLD G1" M-G3/8F	1
0604.32	BARB NUT G1-1/4"	1	1605.35	OUTLET MANIFOLD G3/8F	2
0604.36	BARB NUT G1"	1	1804.18	HEX BOLT M8X45	24
0605.49	GASKET D13	1	1805.71	ALLEN BOLT M6X50	2
0903.15	PISTON DIAPHRAGM GREENTECH 90MM ◆▲	3	6015.28	ROD ASSEMBLY D60 PISTON	3
0903.43	PISTON DIAPHRAGM BUNA-N 90MM	3	6033.13	OIL RESERVIOR ASSEMBLY	1
1101.04	O-RING - HOSE BARB▲	1	6063.Q5	VALVE ASSY W/O O-RING■▲	6
1101.25	O-RING - MANIFOLD TUBE	12	6062.48	DIAPHRAGM BOLT & WASHER (KIT 547)	1
1101.27	O-RING - VALVE ◆■▲	6	6062.B8	DIAPHRAGM KIT GREENTECH (KIT 616)	1
1101.29	O-RING - OIL RESERVIOR	1	6062.D8	IN/OUTLET VALVE KIT (KIT 641)	1
1101.41	O-RING - INLET HOSE BARB▲	1	8700.62CK	COMPLETE REPAIR KIT	1
1101.98	O-RING - OIL RESERVIOR	1			
1101.B6	O-RING - OIL RESERVIOR	1			
1101.F9	O-RING - MANIFOLD DRAIN PLUG	2			
1202.84	BASE PLATE	2			

- Parts in 6062.48 (Kit 547)
- ◆ Parts in 6062.B8 (Kit 616)
- Parts in 6062.D8 (Kit 641)
- ▲ Parts in 8700.62CK (Complete Repair Kit)



Maximum Flow	19.0 GPM / 71 lpm
Maximum Pressure	300 PSI / 20 bar
Maximum RPM	550 RPM
Inlet Port - Hose Barb	1-1/4" HB
Outlet Ports - Hose Barb, Valve	3/4" HB
Bypass - Hose Barb	-
Dimensions	10.5"L x 10"W x 9"H
Weight	21 lbs

Lubrication: Requires 20 oz. of Udor Lube 40W Premium Pump Oil.
Alternate Oil: 30W non-detergent or 15W-40 non-detergent oil.

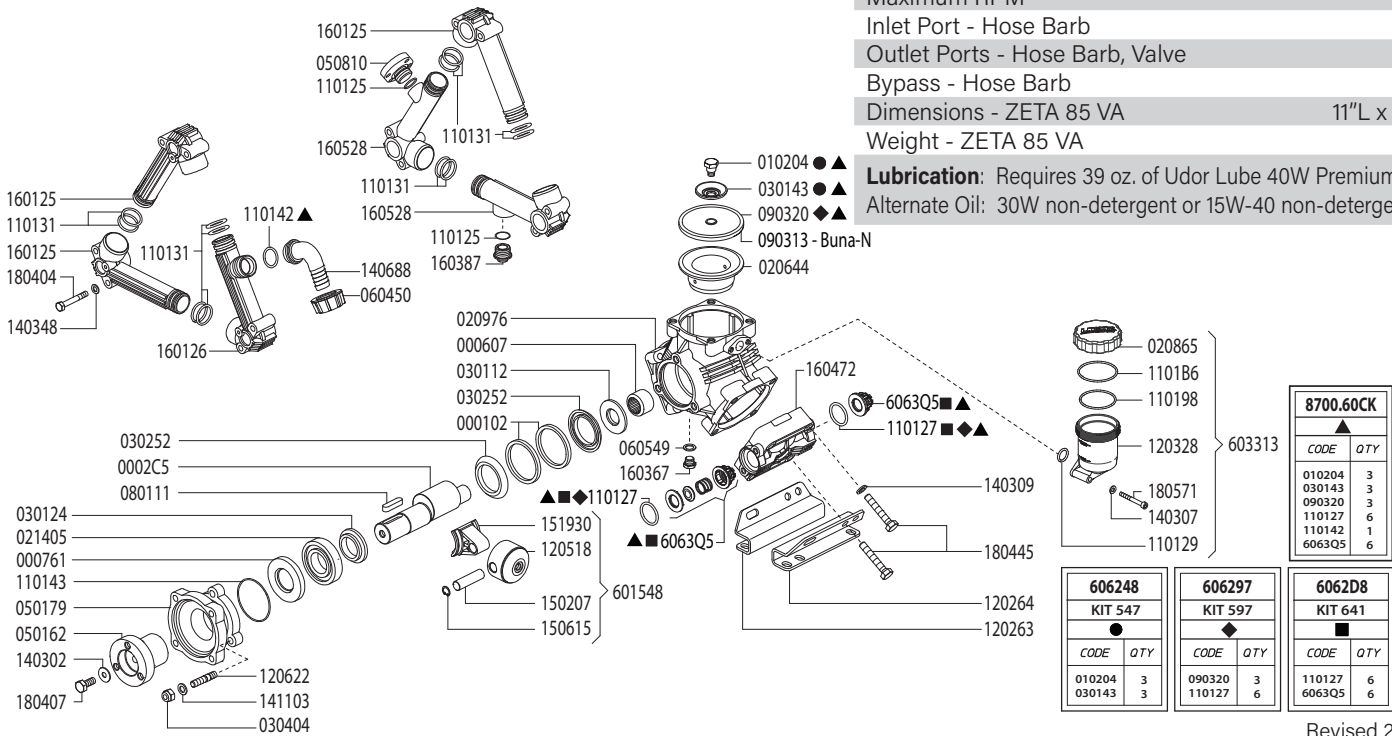
Revised 11-18-2021

Part #	Description	Qty	Part #	Description	Qty
0001.06	RETAINER RING	2	1202.84	BASE PLATE	2
0002.78	SHAFT TS 1C	1	1203.28	OIL RESERVIOR	1
0006.02	BUSHING D25	1	1205.18	ALUMINUM PISTON D60	3
0007.19	OIL SEAL D25	1	1403.07	WASHER M6	2
0007.58	OIL SEAL D35	1	1403.48	WASHER M8	20
0102.04	DIAPHRAGM BOLT ●▲	3	1502.07	PIN 15X54	3
0202.52	INLET HOSE BARB D32	1	1506.14	SNAP RING D62	1
0206.50	SLEEVE D60	3	1506.15	SNAP RING D15	3
0208.65	OIL RESERVIOR CAP	1	1519.18	CONNECTING ROD	3
0209.94	CRANKCASE	1	1601.30	INLET/OUTLET MANIFOLD	2
0214.10	BALL BEARING D35	1	1601.31	SUCTION MANIFOLD G1-1/4"M	1
0253.05	OUTLET HOSE BARB D20	1	1603.64	PLUG G3/8	3
0301.30	BEARING DISC	1	1603.67	PLUG G1/4	1
0301.43	DIAPHRAGM WASHER●▲	3	1604.H9	HEAD	3
0302.50	ROD SPACER	2	1605.34	OUTLET MANIFOLD G1"M-G3/8F	1
0604.32	BARB NUT G1-1/4"	1	1605.35	OUTLET MANIFOLD G3/8F	2
0604.36	BARB NUT G1"	1	1804.18	HEX BOLT M8X45	24
0605.49	GASKET D13	1	1805.71	ALLEN BOLT M6X50	2
0801.22	KEY - A8X7X45		6015.28	ROD ASSEMBLY D60 PISTON	3
0903.15	PISTON DIAPHRAGM GREENTECH 90MM ◆▲	3	6033.13	OIL RESERVIOR ASSEMBLY	1
0903.43	PISTON DIAPHRAGM BUNA-N 90MM	3	6063.Q5	VALVE ASSY W/O O-RING■▲	6
1101.04	O-RING - HOSE BARB▲	1	6062.48	DIAPHRAGM BOLT & WASHER (KIT 547)	1
1101.25	O-RING - MANIFOLD TUBE	12	6062.B8	DIAPHRAGM KIT GREENTECH (KIT 616)	1
1101.27	O-RING - VALVE ◆■▲	6	6062.D8	IN/OUTLET VALVE KIT (KIT 641)	1
1101.29	O-RING - OIL RESERVIOR	1	8700.62CK	COMPLETE REPAIR KIT	1
1101.41	O-RING - INLET HOSE BARB▲	1			
1101.98	O-RING - OIL RESERVIOR	1			
1101.B6	O-RING - OIL RESERVIOR	1			
1101.F9	O-RING - MANIFOLD DRAIN PLUG	2			

- Parts in 6062.48 (Kit 547)
- ◆ Parts in 6062.B8 (Kit 616)
- Parts in 6062.D8 (Kit 641)
- ▲ Parts in 8700.62CK (Complete Repair Kit)

Maximum Flow	22 GPM / 85 lpm
Maximum Pressure	300 PSI / 20 bar
Maximum RPM	550 RPM
Inlet Port - Hose Barb	1-1/2" HB
Outlet Ports - Hose Barb, Valve	(2) 1/2" HB
Bypass - Hose Barb	3/4" HB
Dimensions - ZETA 85 VA	11"L x 11"W x 12"H
Weight - ZETA 85 VA	29 lbs

Lubrication: Requires 39 oz. of Udor Lube 40W Premium Pump Oil.
Alternate Oil: 30W non-detergent or 15W-40 non-detergent oil.



8700.60CK	
CODE	QTY
010204	3
030143	3
090320	3
110127	6
110142	1
6063Q5	6

606248 KIT 547	
CODE	QTY
010204	3
030143	3

606297 KIT 597	
CODE	QTY
090320	3
110127	6

6062D8 KIT 641	
CODE	QTY
110127	6
6063Q5	6

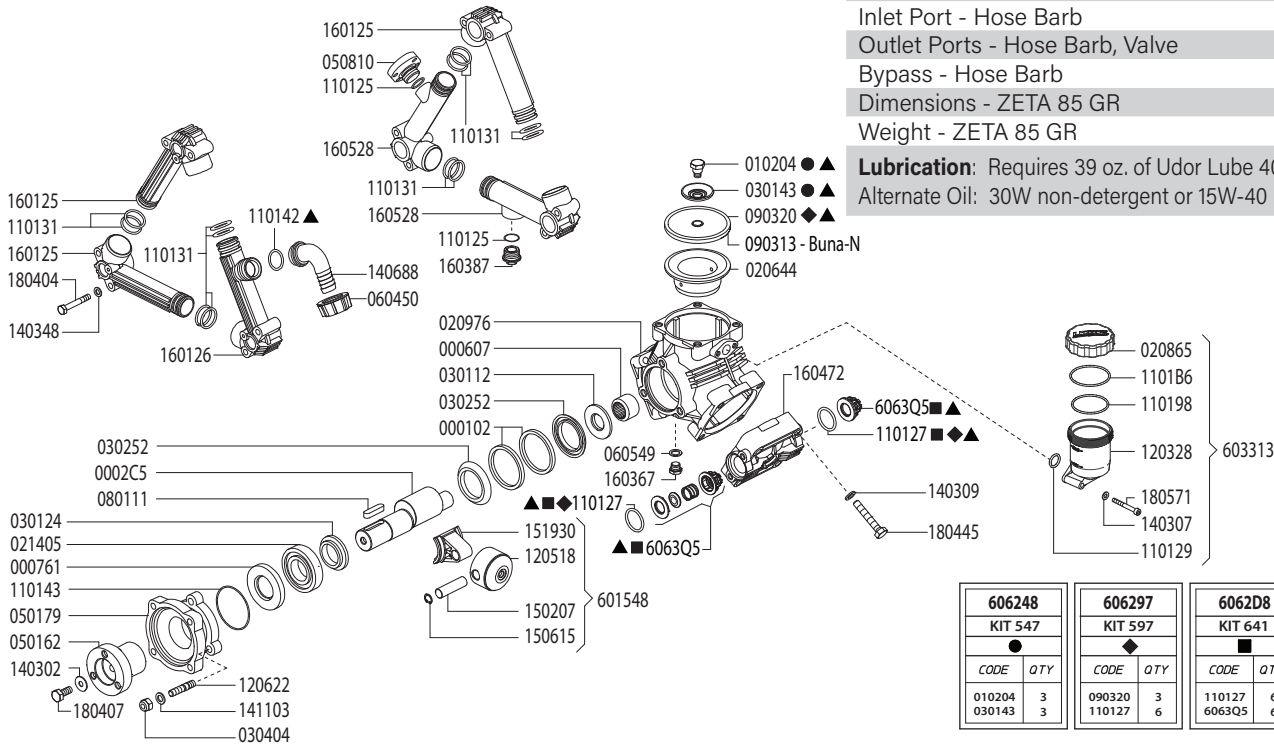
Revised 2-8-2023

Part #	Description	Qty	Part #	Description	Qty
0001.02	RETAINER RING	2	1205.18	ALUMINUM PISTON D60	3
0002.C5	CRANKSHAFT	1	1206.22	STUD M10X46	3
0006.07	BEARING D25	1	1403.02	WASHER M10	3
0007.61	OIL SEAL D35	1	1403.07	WASHER M8	2
0102.04	DIAPHRAGM BOLT ●▲	3	1403.09	WASHER M10	8
0206.44	PISTON SLEEVE D60	3	1403.48	WASHER M8	12
0208.65	OIL RESERVIOR CAP	1	1406.88	SUCTION HOSE BARB 1-1/2"	1
0209.76	CRANKCASE	1	1411.03	SERATED WASHER M10	3
0214.05	BALL BEARING D35	1	1502.07	CONNECTING ROD PIN 15X54	3
0301.12	BEARING DISC D25	1	1506.15	SNAP RING D15	3
0301.24	BEARING DISC D35	1	1519.30	CONNECTING ROD	3
0301.43	DIAPHRAGM WASHER ●▲	3	1601.25	INLET/OUTLET MANIFOLD TUBE	3
0302.52	ROD SPACER	2	1601.26	SUCTION MANIFOLD TUBE G1-1/2" M	1
0304.04	NY-LOCK NUT M10	3	1603.67	OIL PLUG G1/4"	1
0501.62	ADAPTER - VA	1	1603.87	MANIFOLD PLUG G3/4"	2
0501.79	FLANGE - VA	1	1604.72	HEAD	3
0508.10	REGULATOR MOUNTING ADAPTER	1	1605.28	DISCHARGE MANIFOLD TUBE G3/4" F	2
0604.50	BARB NUT G1-1/2"	1	1804.04	HEX BOLT M8X55	12
0605.49	OIL PLUG GASKET	1	1804.07	HEX BOLT M10X25	1
0801.11	KEY 10X8X40	1	1804.45	HEX BOLT M10X60	12
0903.13	PISTON DIAPHRAGM 100mm,BUNA-N	3	1805.71	ALLEN BOLT M6X50	2
0903.20	PISTON DIAPHRAGM 100mm,GREENTECH ◆▲	3	6015.48	PISTON / ROD ASSEMBLY D60	3
1101.25	O-RING - PLUG & ADAPTER	2	6033.13	OIL RESERVIOR ASSEMBLY	1
1101.27	O-RING - VALVE ◆■▲	6	6063.Q5	VALVE ASSEMBLY W/O O-RING ■▲	6
1101.29	O-RING - OIL RESERVIOR	1	6062.48	DIAPHRAGM WASHER/BOLT (KIT 547)	1
1101.31	O-RING - MANIFOLD	12	6062.97	DIAPHRAGM KIT - GREENTECH (KIT 597)	1
1101.42	O-RING - INLET BARB▲	1	6062.D8	INLET/OUTLET VALVE KIT (KIT 641)	1
1101.43	O-RING - FLANGE	1	8700.60CK	COMPLETE REPAIR KIT	1
1101.98	O-RING - OIL RESERVIOR	1			
1101.B6	O-RING - OIL RESERVIOR	1			
1202.63	MOUNTING RAIL - RIGHT SIDE	1			
1202.64	MOUNTING RAIL - LEFT SIDE	1			
1203.28	OIL RESERVIOR	1			

- Parts in 6062.48 (Kit 547)
- ◆ Parts in 6062.97 (Kit 597).
- Parts in 6062.D8 (Kit 641).
- ▲ Parts in 8700.60CK

Maximum Flow	22 GPM / 85 lpm
Maximum Pressure	300 PSI / 20 bar
Maximum RPM	550 RPM
Inlet Port - Hose Barb	1-1/2" HB
Outlet Ports - Hose Barb, Valve	(2) 1/2" HB
Bypass - Hose Barb	3/4" HB
Dimensions - ZETA 85 GR	16"L x 11"W x 12"H
Weight - ZETA 85 GR	36 lbs

Lubrication: Requires 39 oz. of Udor Lube 40W Premium Pump Oil.
Alternate Oil: 30W non-detergent or 15W-40 non-detergent oil.



606248 KIT 547		606297 KIT 597		6062D8 KIT 641		8700.60CK	
CODE	QTY	CODE	QTY	CODE	QTY	CODE	QTY
010204	3	090320	3	110127	6	010204	3
030143	3	110127	6	6063Q5	6	030143	3
						090320	3
						110127	6
						110142	1
						6063Q5	6

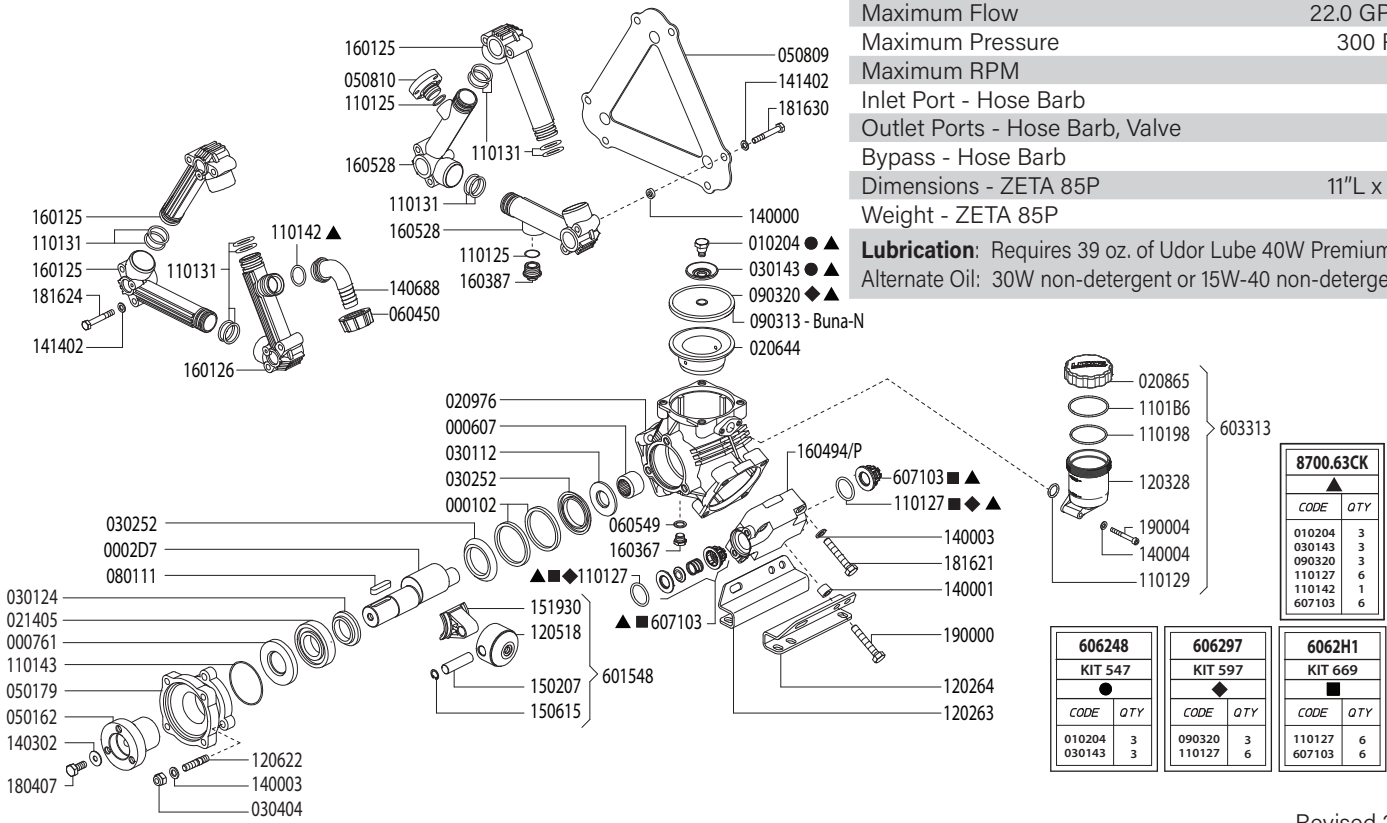
Revised 2-8-2023

Part #	Description	Qty	Part #	Description	Qty
0001.02	RETAINER RING	2	1206.22	STUD M10X46	3
0002.C5	CRANKSHAFT	1	1403.02	WASHER M10	3
0006.07	BEARING D25	1	1403.07	WASHER M8	2
0007.61	OIL SEAL D35	1	1403.09	WASHER M10	12
0102.04	DIAPHRAGM BOLT ●▲	3	1403.48	WASHER M8	12
0206.44	PISTON SLEEVE D60	3	1406.88	SUCTION HOSE BARB 1-1/2"	1
0208.65	OIL RESERVIOR CAP	1	1411.03	SERATED WASHER M10	3
0209.76	CRANKCASE	1	1502.07	CONNECTING ROD PIN 15X54	3
0214.05	BALL BEARING D35	1	1506.15	SNAP RING D15	3
0301.12	BEARING DISC D25	1	1519.30	CONNECTING ROD	3
0301.24	BEARING DISC D35	1	1601.25	INLET/OUTLET MANIFOLD TUBE	3
0301.43	DIAPHRAGM WASHER ●▲	3	1601.26	SUCTION MANIFOLD TUBE G1-1/2" M	1
0302.52	ROD SPACER	2	1603.67	OIL PLUG G1/4"	1
0304.04	NY-LOCK NUT M10	3	1603.87	MANIFOLD PLUG G3/4"	2
0501.62	ADAPTER - VA	1	1604.72	HEAD	3
0501.79	FLANGE - VA	1	1605.28	DISCHARGE MANIFOLD TUBE G3/4" F	2
0508.10	REGULATOR MOUNTING ADAPTER	1	1804.04	HEX BOLT M8X55	12
0604.50	BARB NUT G1-1/2"	1	1804.07	HEX BOLT M10X25	1
0605.49	OIL PLUG GASKET	1	1804.45	HEX BOLT M10X60	12
0801.11	KEY 10X8X40	1	1805.71	ALLEN BOLT M6X50	2
0903.20	PISTON DIAPHRAGM 100mm,BUNA-N	3	6015.48	PISTON / ROD ASSEMBLY D60	3
0903.20	PISTON DIAPHRAGM 100mm,GREENTECH ◆▲	3	6033.13	OIL RESERVIOR ASSEMBLY	1
1101.25	O-RING - PLUG & ADAPTER	2	6063.Q5	VALVE ASSEMBLY W/O O-RING ■▲	6
1101.27	O-RING - VALVE ◆■▲	6	6062.48	DIAPHRAGM WASHER/BOLT (KIT 547)	1
1101.29	O-RING - OIL RESERVIOR	1	6062.97	DIAPHRAGM KIT - GREENTECH (KIT 597)	1
1101.31	O-RING - MANIFOLD	12	6062.D8	INLET/OUTLET VALVE KIT (KIT 641)	1
1101.42	O-RING - INLET BARB▲	1	8700.60CK	COMPLETE REPAIR KIT	1
1101.43	O-RING - FLANGE	1			
1101.98	O-RING - OIL RESERVIOR	1			
1101.B6	O-RING - OIL RESERVIOR	1			
1203.28	OIL RESERVIOR	1			
1205.18	ALUMINUM PISTON D60	3			

- Parts in 6062.48 (Kit 547)
- ◆ Parts in 6062.97 (Kit 597).
- Parts in 6062.D8 (Kit 641).
- ▲ Parts in 8700.60CK

Maximum Flow	22.0 GPM / 85 lpm
Maximum Pressure	300 PSI / 20 bar
Maximum RPM	550 RPM
Inlet Port - Hose Barb	1-1/2" HB
Outlet Ports - Hose Barb, Valve	(2) 1/2" HB
Bypass - Hose Barb	3/4" HB
Dimensions - ZETA 85P	11"L x 11"W x 12"H
Weight - ZETA 85P	29 lbs

Lubrication: Requires 39 oz. of Udor Lube 40W Premium Pump Oil.
Alternate Oil: 30W non-detergent or 15W-40 non-detergent oil.



8700.63CK	
CODE	QTY
010204	3
030143	3
090320	3
110127	6
110142	1
607103	6

606248 KIT 547	
CODE	QTY
010204	3
030143	3

606297 KIT 597	
CODE	QTY
090320	3
110127	6

6062H1 KIT 669	
CODE	QTY
110127	6
607103	6

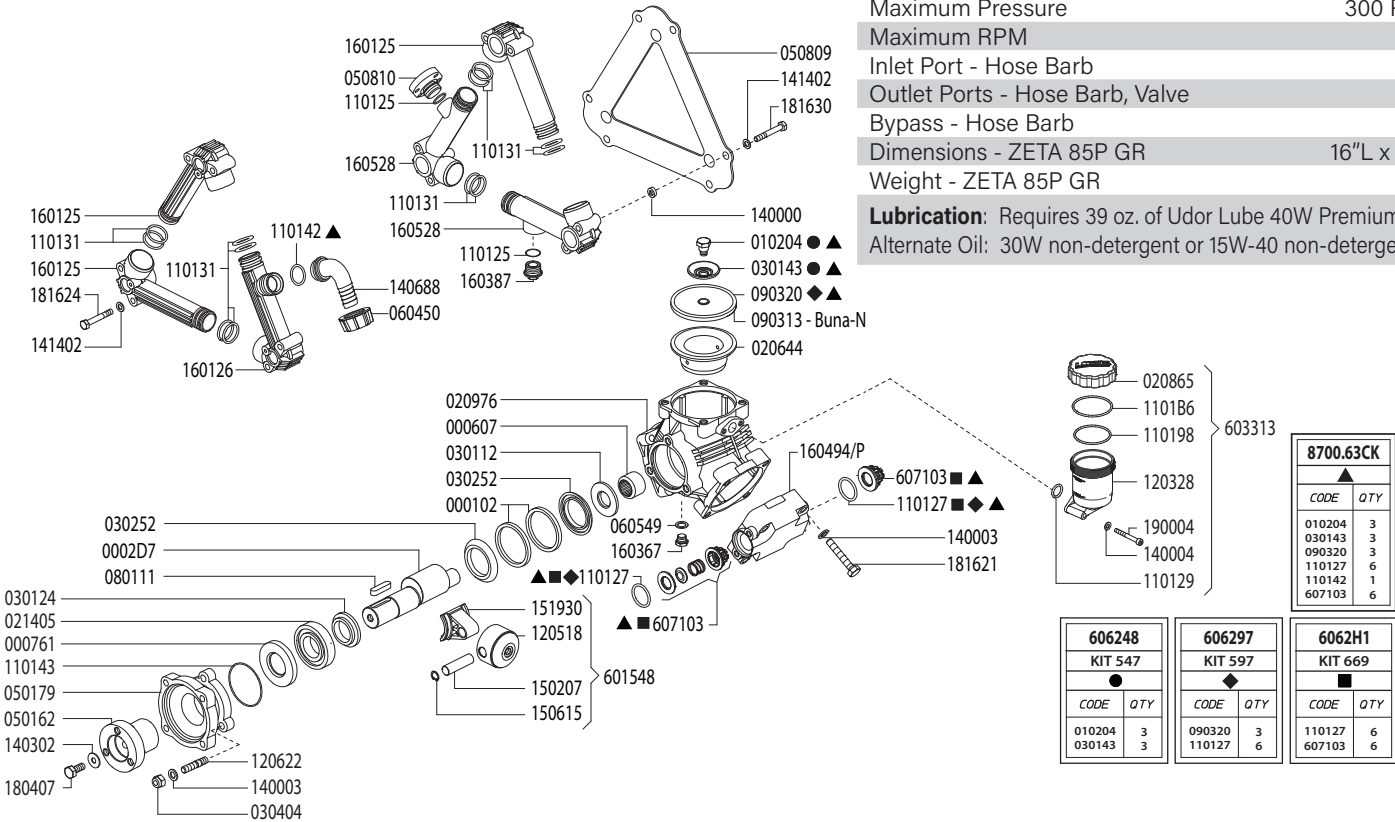
Revised 2-8-2023

Part #	Description	Qty	Part #	Description	Qty
0001.02	RETAINER RING	2	1206.22	STUD M10X46	3
0002.C5	CRANKSHAFT	1	1400.00	DISCHARGE MANIFOLD SPACER S.S.	6
0006.07	BEARING	1	1400.01	RAIL SPACER S.S.	4
0007.61	SEAL	1	1400.03	HEAD BOLT WASHER S.S.	11
0102.04	DIAPHRAGM BOLT S.S. ●▲	3	1400.04	WASHER M8 S.S.	2
0206.44	PISTON SLEEVE	3	1403.02	WASHER M10	1
0208.65	OIL RESERVIOR CAP	1	1406.88	SUCTION ELBOW 1-1/2"	1
0209.76	CRANKCASE	1	1414.02	MANIFOLD WASHER S.S.	12
0214.05	BALL BEARING D35	1	1502.07	CONNECTING ROD PIN 15X54	3
0301.12	BEARING DISC D25	1	1506.15	SNAP RING	6
0301.24	BEARING DISC D35	1	1519.30	CONNECTING ROD	3
0301.43	DIAPHRAGM WASHER ●▲	3	1601.25	INLET/OUTLET MANIFOLD TUBE	3
0302.52	ROD SPACER	2	1601.26	SUCTION MANIFOLD TUBE G1-1/2" M	1
0304.04	NUT	3	1603.67	OIL PLUG G1/4	1
0501.62	ADAPTER - VA	1	1603.87	MANIFOLD PLUG G3/4	2
0501.79	FLANGE - VA	1	1604.94/P	HEAD - POLY	3
0508.09	DISCHARGE PLATE S.S.	1	1605.28	DISCHARGE MANIFOLD TUBE G3/4" F	2
0508.10	REGULATOR ADAPTER S.S.	1	1804.07	HEX BOLT M10X25	1
0604.50	BARB NUT	1	1900.00	RAIL BOLT S.S.	4
0605.49	OIL PLUG GASKET	1	1816.21	HEAD BOLT S.S.	12
0801.11	KEY 10X8X40	1	1816.24	SUCTION MANIFOLD BOLT S.S.	6
0903.13	PISTON DIAPHRAGM 100mm,BUNA-N	3	1816.30	DISCHARGE MANIFOLD BOLT S.S.	6
0903.20	PISTON DIAPHRAGM 100mm,GREENTECH ◆▲	3	1900.04	ALLEN BOLT M6X50 S.S.	2
1101.25	O-RING - PLUG & ADAPTER	2	6015.48	PISTON / ROD ASSEMBLY D60	3
1101.27	O-RING - VALVE ◆◆▲	6	6033.13	OIL RESERVIOR ASSEMBLY	1
1101.29	O-RING - OIL RESERVIOR	1	6071.03	VALVE ASSEMBLY 316SS W/O O-RING ■▲	6
1101.31	O-RING - MANIFOLD	12	6062.48	DIAPHRAGM WASHER/BOLT (KIT 547)	1
1101.42	O-RING - INLET BARB▲	1	6062.97	DIAPHRAGM KIT - GREENTECH (KIT 597)	1
1101.43	O-RING - FLANGE	1	6062.H1	INLET/OUTLET VALVE KIT (KIT 669)	1
1101.98	O-RING - OIL RESERVIOR	1	8700.63CK	COMPLETE REPAIR KIT	1
1101.B6	O-RING - OIL RESERVIOR	1			
1202.63	MOUNTING RAIL - RIGHT SIDE	1			
1202.64	MOUNTING RAIL - LEFT SIDE	1			
1203.28	OIL RESERVIOR	1			
1205.18	ALUMINUM PISTON D60	3			

- Parts in 6062.48 (Kit 547)
- ◆ Parts in 6062.97 (Kit 597).
- Parts in 6062.H1 (Kit 669).
- ▲ Parts in 8700.63CK (Complete Repair Kit)

Maximum Flow	22 GPM / 85 lpm
Maximum Pressure	300 PSI / 20 bar
Maximum RPM	550 RPM
Inlet Port - Hose Barb	1-1/2" HB
Outlet Ports - Hose Barb, Valve	(2) 1/2" HB
Bypass - Hose Barb	3/4" HB
Dimensions - ZETA 85P GR	16"L x 11"W x 12"H
Weight - ZETA 85P GR	36 lbs

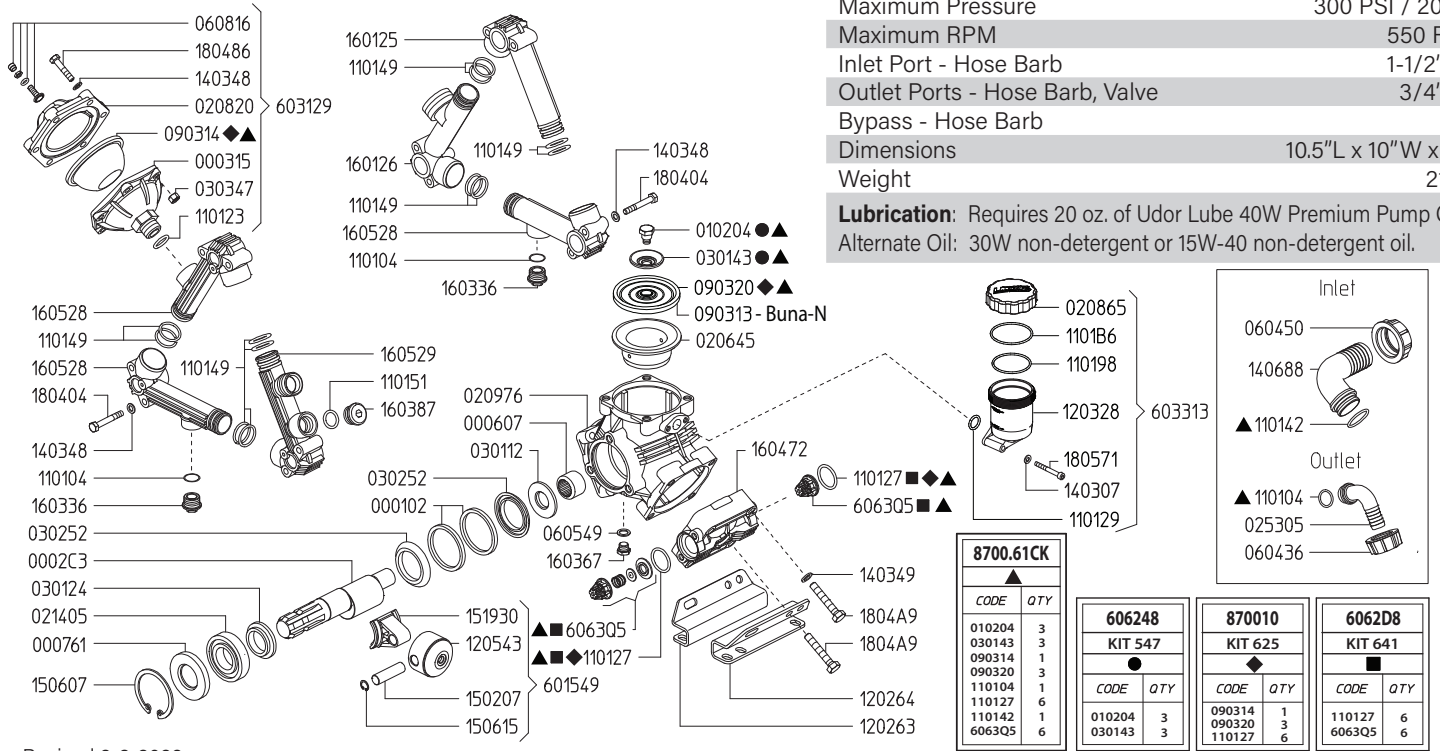
Lubrication: Requires 39 oz. of Udor Lube 40W Premium Pump Oil.
Alternate Oil: 30W non-detergent or 15W-40 non-detergent oil.



Revised 2-8-2023

Part #	Description	Qty	Part #	Description	Qty
0001.02	RETAINER RING	2	1206.22	STUD M10X46	3
0002.C5	CRANKSHAFT	1	1400.00	DISCHARGE MANIFOLD SPACER S.S.	6
0006.07	BEARING	1	1400.03	HEAD BOLT WASHER S.S.	15
0007.61	SEAL	1	1400.04	WASHER M8 S.S.	2
0102.04	DIAPHRAGM BOLT S.S. ●▲	3	1403.02	WASHER M10	1
0206.44	PISTON SLEEVE	3	1406.88	SUCTION ELBOW 1-1/2"	1
0208.65	OIL RESERVIOR CAP	1	1414.02	MANIFOLD WASHER S.S.	12
0209.76	CRANKCASE	1	1502.07	CONNECTING ROD PIN 15X54	3
0214.05	BALL BEARING D35	1	1506.15	SNAP RING	6
0301.12	BEARING DISC D25	1	1519.30	CONNECTING ROD	3
0301.24	BEARING DISC D35	1	1601.25	INLET/OUTLET MANIFOLD TUBE	3
0301.43	DIAPHRAGM WASHER ●▲	3	1601.26	SUCTION MANIFOLD TUBE G1-1/2" M	1
0302.52	ROD SPACER	2	1603.67	OIL PLUG G1/4	1
0304.04	NUT	3	1603.87	MANIFOLD PLUG G3/4	2
0501.62	ADAPTER - VA	1	1604.94/P	HEAD - POLY	3
0501.79	FLANGE - VA	1	1605.28	DISCHARGE MANIFOLD TUBE G3/4" F	2
0508.09	DISCHARGE PLATE S.S.	1	1804.07	HEX BOLT M10X25	1
0508.10	REGULATOR ADAPTER S.S.	1	1816.21	HEAD BOLT S.S.	12
0604.50	BARB NUT	1	1816.24	SUCTION MANIFOLD BOLT S.S.	6
0605.49	OIL PLUG GASKET	1	1816.30	DISCHARGE MANIFOLD BOLT S.S.	6
0801.11	KEY 10X8X40	1	1900.04	ALLEN BOLT M6X50 S.S.	2
0903.13	PISTON DIAPHRAGM 100mm,BUNA-N	3	6015.48	PISTON / ROD ASSEMBLY D60	3
0903.20	PISTON DIAPHRAGM 100mm,GREENTECH ◆▲	3	6033.13	OIL RESERVOIR ASSEMBLY	1
1101.25	O-RING - PLUG & ADAPTER	2	6071.03	VALVE ASSEMBLY 316SS W/O O-RING ■▲	6
1101.27	O-RING - VALVE ◆■▲	6	6062.48	DIAPHRAGM WASHER/BOLT (KIT 547)	1
1101.29	O-RING - OIL RESERVIOR	1	6062.97	DIAPHRAGM KIT - GREENTECH (KIT 597)	1
1101.31	O-RING - MANIFOLD	12	6062.H1	INLET/OUTLET VALVE KIT (KIT 669)	1
1101.42	O-RING - INLET BARB▲	1	8700.63CK	COMPLETE REPAIR KIT	1
1101.43	O-RING - FLANGE	1			
1101.98	O-RING - OIL RESERVIOR	1			
1203.28	OIL RESERVOIR	1			
1205.18	ALUMINUM PISTON D60	3			

- Parts in 6062.48 (Kit 547)
- ◆ Parts in 6062.97 (Kit 597).
- Parts in 6062.H1 (Kit 669).
- ▲ Parts in 8700.63CK (Complete Repair Kit)



Maximum Flow	26.0 GPM / 98 lpm
Maximum Pressure	300 PSI / 20 bar
Maximum RPM	550 RPM
Inlet Port - Hose Barb	1-1/2" HB
Outlet Ports - Hose Barb, Valve	3/4" HB
Bypass - Hose Barb	-
Dimensions	10.5"L x 10"W x 9"H
Weight	21 lbs

Lubrication: Requires 20 oz. of Udor Lube 40W Premium Pump Oil.
Alternate Oil: 30W non-detergent or 15W-40 non-detergent oil.

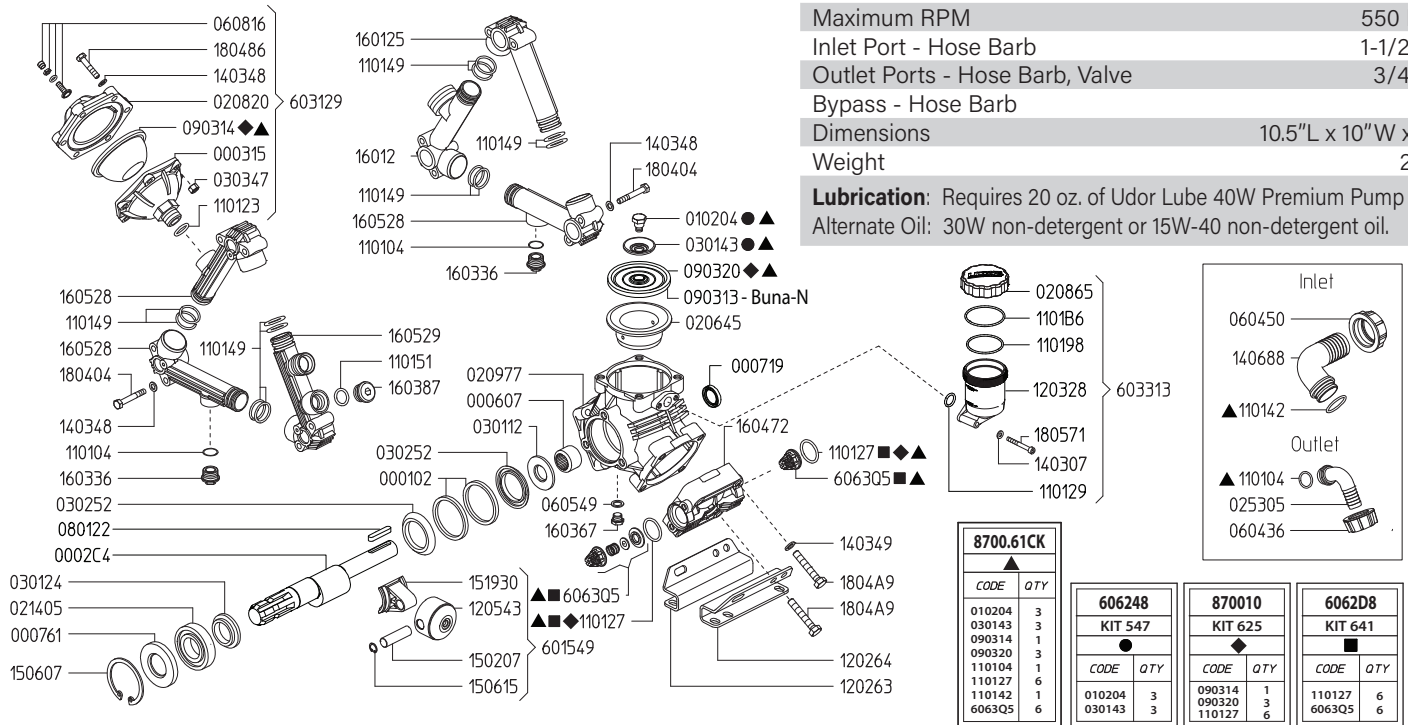
Revised 2-8-2023

Part #	Description	Qty	Part #	Description	Qty
0001.02	RETAINER RING	2	1205.43	ALUMINIUM PISTON D65	3
0002.C3	CRANKSHAFT 1C	1	1403.07	WASHER M6	2
0003.15	PRESSURE ACCUMULATOR BASE	1	1403.48	WASHER M8	18
0006.07	BUSHING D25	1	1403.49	WASHER M10	12
0007.61	OIL SEAL D35	1	1406.88	INLET HOSE BARB D38	1
0102.04	DIAPHRAGM BOLT ●	3	1502.07	PIN 15X54	3
0206.45	SLEEVE D65	3	1506.07	SNAP RING D72	1
0208.20	ACCUMULATOR COVER	1	1506.15	SNAP RING D15	3
0208.65	OIL RESERVIOR CAP	1	1519.30	CONNECTING ROD	3
0209.76	CRANKCASE	1	1601.25	INLET-OUTLET MANIFOLD	1
0214.05	BALL BEARING D35	1	1601.26	SUCTION MANIFOLD G1"1/2 M	1
0253.05	OUTLET HOSE BARB D20	1	1603.36	PLUG G3/4	2
0301.12	BEARING DISC - D25	1	1603.67	PLUG G1/4	1
0301.24	BEARING DISC - D35	1	1603.87	PLUG G3/4	1
0301.43	DIAPHRAGM WASHER ●	3	1604.72	HEAD	3
0302.52	ROD SPACER	2	1605.28	OUTLET MANIFOLD G3/4 F	3
0303.47	HEX NUT M8X8	6	1605.29	OUTLET MANIFOLD G1" M - G3/4 F	1
0604.36	BARB NUT G1"	1	1804.04	HEX BOLT M8X55	12
0604.50	BARB NUT G1-1/2"	1	1804.86	HEX BOLT M8X40	6
0605.49	GASKET D13	1	1804.A9	HEX BOLT M10X60	12
0608.16	AIR VALVE ASSEMBLY	1	1805.71	ALLEN BOLT M6X50	2
0903.13	PISTON DIAPHRAGM BUNA-N 100MM	3	6015.49	ROD ASSEMBLY D60 PISTON	3
0903.14	ACCUMULATOR DIAPHRAGM ◆	1	6031.29	PRESSURE ACCUMULATOR ASSEMBLY	1
0903.20	PISTON DIAPHRAGM GREENTECH 100MM ◆	3	6033.13	OIL RESERVOIR ASSEMBLY	1
1101.04	O-RING - MANIFOLD PLUG	3	6063.Q5	VALVE ASSEMBLY W/O O-RING ■	6
1101.23	O-RING - ACCUMULATOR	1	6062.48	DIAPHRAGM BOLT & WASHER (KIT 547)	1
1101.27	O-RING - VALVE ◆■	6	6062.D8	IN/OUTLET VALVE KIT (KIT 641)	1
1101.29	O-RING - OIL RESERVOIR	1	8700.10	DIAPHRAGM KIT GREENTECH (KIT 625)	1
1101.42	O-RING - INLET HOSE BARB	1	8700.61CK	COMPLETE REPAIR KIT	1
1101.49	O-RING - MANIFOLD TUBES	12			
1101.51	O-RING - MANIFOLD PLUG	1			
1101.98	O-RING - OIL RESERVOIR	1			
1101.B6	O-RING - OIL RESERVOIR	1			
1203.28	OIL RESERVIOR	1			

- Parts in 6062.48 (Kit 547).
- Parts in 6062.D8 (Kit 641).
- ◆ Parts in 8700.10 (Kit 625).
- ▲ Parts in 8700.61CK (Complete Repair Kit)

Maximum Flow	26.0 GPM / 98 lpm
Maximum Pressure	300 PSI / 20 bar
Maximum RPM	550 RPM
Inlet Port - Hose Barb	1-1/2" HB
Outlet Ports - Hose Barb, Valve	3/4" HB
Bypass - Hose Barb	-
Dimensions	10.5"L x 10"W x 9"H
Weight	21 lbs

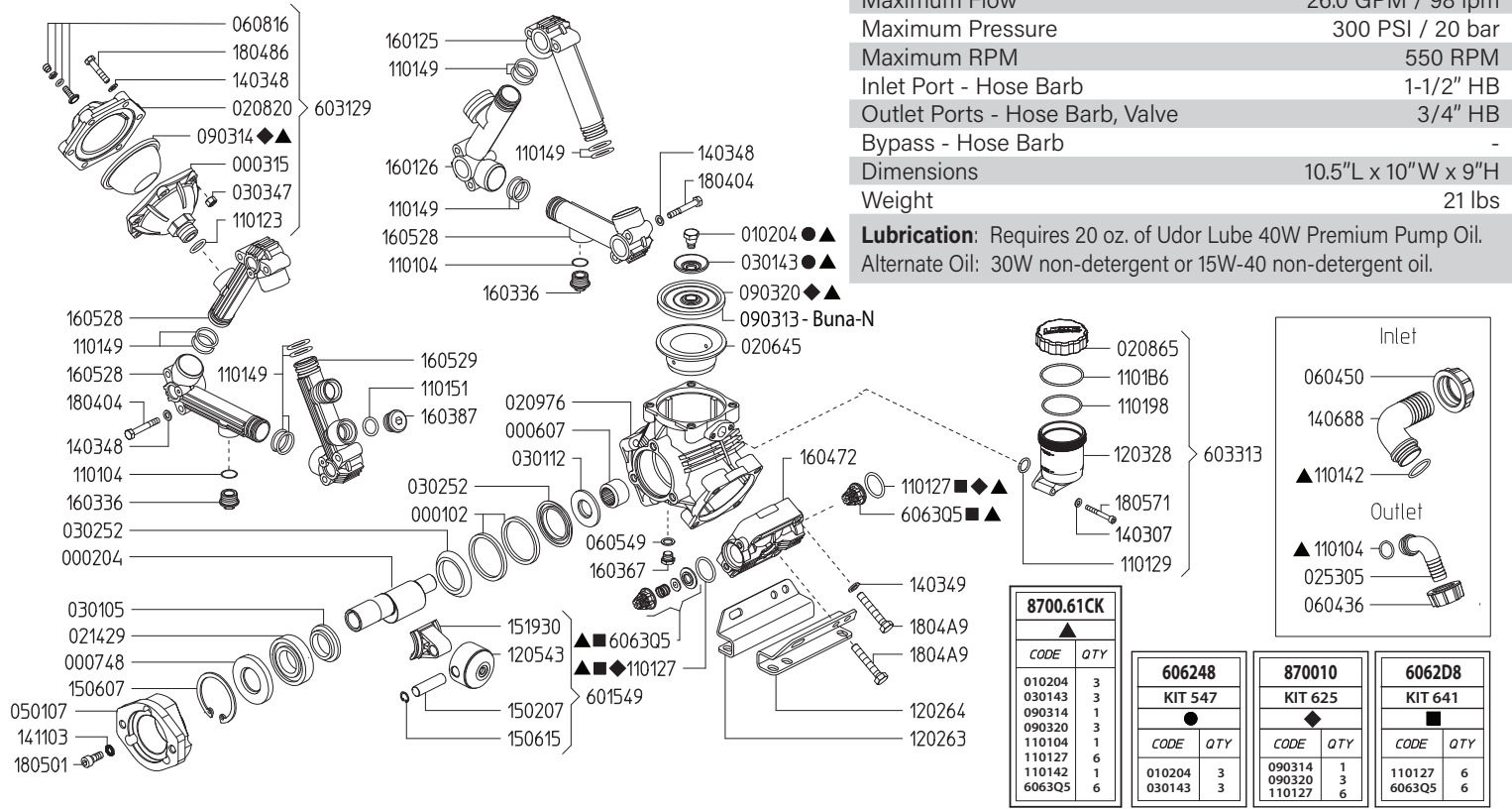
Lubrication: Requires 20 oz. of Udor Lube 40W Premium Pump Oil.
Alternate Oil: 30W non-detergent or 15W-40 non-detergent oil.



Revised 2-8-2023

Part #	Description	Qty	Part #	Description	Qty
0001.02	RETAINER RING	2	1203.28	OIL RESERVIOR	1
0002.C4	CRANKSHAFT TS 1C	1	1205.43	ALUMINIUM PISTON D65	3
0003.15	PRESSURE ACCUMULATOR BASE	1	1403.07	WASHER M6	2
0006.07	BUSHING D25	1	1403.48	WASHER M8	18
0007.61	OIL SEAL D35	1	1403.49	WASHER M10	12
0007.19	OIL SEAL D25	1	1406.88	INLET HOSE BARB D38	1
0102.04	DIAPHRAGM BOLT ●▲	3	1502.07	PIN 15X54	3
0206.45	SLEEVE D65	3	1506.07	SNAP RING D72	1
0208.20	ACCUMULATOR COVER	1	1506.15	SNAP RING D15	3
0208.65	OIL RESERVIOR CAP	1	1519.30	CONNECTING ROD	3
0209.76	CRANKCASE	1	1601.25	INLET-OUTLET MANIFOLD	1
0214.05	BALL BEARING D35	1	1601.26	SUCTION MANIFOLD G1"1/2 M	1
0253.05	OUTLET HOSE BARB D20	1	1603.36	PLUG G3/4	2
0301.12	BEARING DISC - D25	1	1603.67	PLUG G1/4	1
0301.24	BEARING DISC - D35	1	1603.87	PLUG G3/4	1
0301.43	DIAPHRAGM WASHER ●▲	3	1604.72	HEAD	3
0302.52	ROD SPACER	2	1605.28	OUTLET MANIFOLD G3/4 F	3
0303.47	HEX NUT M8X8	6	1605.29	OUTLET MANIFOLD G1" M - G3/4 F	1
0604.36	BARB NUT G1"	1	1804.04	HEX BOLT M8X55	12
0604.50	BARB NUT G1-1/2"	1	1804.86	HEX BOLT M8X40	6
0605.49	GASKET D13	1	1804.A9	HEX BOLT M10X60	12
0608.16	AIR VALVE ASSEMBLY	1	1805.71	ALLEN BOLT M6X50	2
0801.22	KEY - A8X7X45	1	6015.49	ROD ASSEMBLY D60 PISTON	3
0903.13	PISTON DIAPHRAGM BUNA-N 100MM	3	6031.29	PRESSURE ACCUMULATOR ASSEMBLY	1
0903.14	ACCUMULATOR DIAPHRAGM ◆▲	1	6033.13	OIL RESERVOIR ASSEMBLY	1
0903.20	PISTON DIAPHRAGM GREENTECH 100MM ◆▲	3	6063.Q5	VALVE ASSEMBLY W/O O-RING ■▲	6
1101.04	O-RING - MANIFOLD PLUG▲	3	6062.48	DIAPHRAGM BOLT & WASHER (KIT 547)	1
1101.23	O-RING - ACCUMULATOR	1	6062.D8	IN/OUTLET VALVE KIT (KIT 641)	1
1101.27	O-RING - VALVE ◆■▲	6	8700.10	DIAPHRAGM KIT GREENTECH (KIT 625)	1
1101.29	O-RING - OIL RESERVOIR	1	8700.61CK	COMPLETE REPAIR KIT	1
1101.42	O-RING - INLET HOSE BARB▲	1			
1101.49	O-RING - MANIFOLD TUBES	12			
1101.51	O-RING - MANIFOLD PLUG	1			
1101.98	O-RING - OIL RESERVOIR	1			
1101.B6	O-RING - OIL RESERVOIR	1			

- Parts in 6062.48 (Kit 547).
- Parts in 6062.D8 (Kit 641).
- ◆ Parts in 8700.10 (Kit 625).
- ▲ Parts in 8700.61CK (Complete Repair Kit)



Maximum Flow	26.0 GPM / 98 lpm
Maximum Pressure	300 PSI / 20 bar
Maximum RPM	550 RPM
Inlet Port - Hose Barb	1-1/2" HB
Outlet Ports - Hose Barb, Valve	3/4" HB
Bypass - Hose Barb	-
Dimensions	10.5"L x 10"W x 9"H
Weight	21 lbs

Lubrication: Requires 20 oz. of Udor Lube 40W Premium Pump Oil.
Alternate Oil: 30W non-detergent or 15W-40 non-detergent oil.

8700.61CK		606248		870010		6062D8	
CODE	QTY	KIT 547		KIT 625		KIT 641	
010204	3						
030143	3						
090314	1						
090320	3						
110104	1						
110127	6						
110142	1						
6063Q5	6						
		010204	3	090314	1	110127	6
		030143	3	090320	3	6063Q5	6
				110127	6		

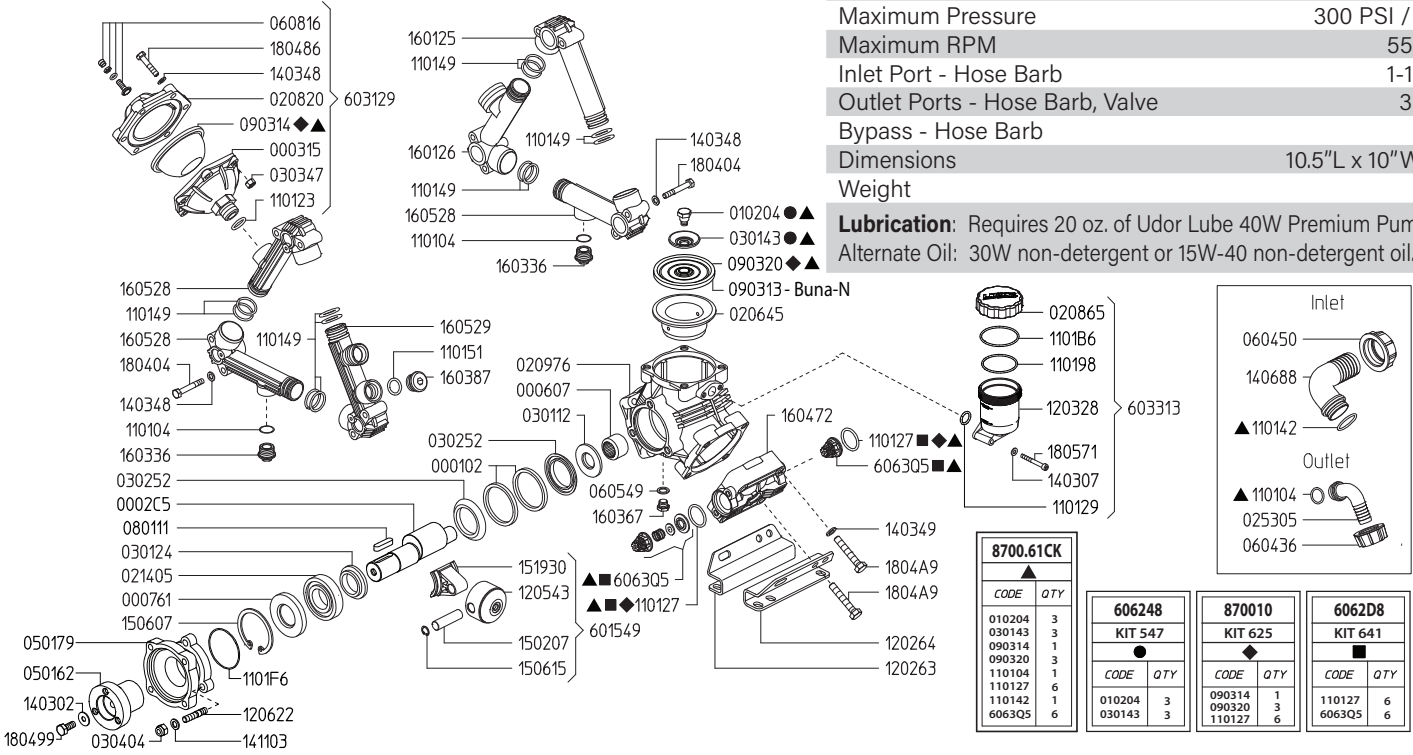
Revised 4-25-2022

Part #	Description	Qty	Part #	Description	Qty
0001.02	RETAINER RING	2	1205.43	ALUMINIUM PISTON D65	3
0002.04	CRANKSHAFT	1	1403.07	WASHER M6	2
0003.15	PRESSURE ACCUMULATOR BASE	1	1403.48	WASHER M8	18
0006.07	BUSHING D25	1	1403.49	WASHER M10	12
0007.48	OIL SEAL D38	1	1406.88	INLET HOSE BARB D38	1
0102.04	DIAPHRAGM BOLT ●▲	3	1411.03	SERATED WASHER M10	3
0206.45	SLEEVE D65	3	1502.07	PIN 15X54	3
0208.20	ACCUMULATOR COVER	1	1506.07	SNAP RING D72	1
0208.65	OIL RESERVIOR CAP	1	1506.15	SNAP RING D15	3
0209.76	CRANKCASE	1	1519.30	CONNECTING ROD	3
0214.29	BALL BEARING D38	1	1601.25	INLET-OUTLET MANIFOLD	1
0253.05	OUTLET HOSE BARB D20	1	1601.26	SUCTION MANIFOLD G1"1/2 M	1
0301.05	BEARING DISC - D38	1	1603.36	PLUG G3/4	2
0301.12	BEARING DISC - D25	1	1603.67	PLUG G1/4	1
0301.43	DIAPHRAGM WASHER ●▲	3	1603.87	PLUG G3/4	1
0302.52	ROD SPACER	2	1604.72	HEAD	3
0303.47	HEX NUT M8X8	6	1605.28	OUTLET MANIFOLD G3/4 F	3
0501.07	FLANGE - HYD	1	1605.29	OUTLET MANIFOLD G1" M - G3/4 F	1
0604.36	BARB NUT G1"	1	1804.04	HEX BOLT M8X55	12
0604.50	BARB NUT G1-1/2"	1	1804.86	HEX BOLT M8X40	6
0605.49	GASKET D13	1	1804.A9	HEX BOLT M10X60	12
0608.16	AIR VALVE ASSEMBLY	1	1805.01	ALLEN BOLT M10X25	3
0903.13	PISTON DIAPHRAGM BUNA-N 100MM	3	1805.71	ALLEN BOLT M6X50	2
0903.14	ACCUMULATOR DIAPHRAGM ◆▲	1	6015.49	ROD ASSEMBLY D60 PISTON	3
0903.20	PISTON DIAPHRAGM GREENTECH 100MM ◆▲	3	6031.29	PRESSURE ACCUMULATOR ASSEMBLY	1
1101.04	O-RING - MANIFOLD PLUG▲	3	6033.13	OIL RESERVOIR ASSEMBLY	1
1101.23	O-RING - ACCUMULATOR	1	6063.Q5	VALVE ASSEMBLY W/O O-RING ■▲	6
1101.27	O-RING - VALVE ◆■▲	6	6062.48	DIAPHRAGM BOLT & WASHER (KIT 547)	1
1101.29	O-RING - OIL RESERVOIR	1	6062.D8	IN/OUTLET VALVE KIT (KIT 641)	1
1101.42	O-RING - INLET HOSE BARB▲	1	8700.10	DIAPHRAGM KIT GREENTECH (KIT 625)	1
1101.49	O-RING - MANIFOLD TUBES	12	8700.61CK	COMPLETE REPAIR KIT	1
1101.51	O-RING - MANIFOLD PLUG	1			
1101.98	O-RING - OIL RESERVOIR	1			
1101.B6	O-RING - OIL RESERVOIR	1			
1203.28	OIL RESERVIOR	1			

● Parts in 6062.48 (Kit 547).
 ■ Parts in 6062.D8 (Kit 641).
 ◆ Parts in 8700.10 (Kit 625).
 ▲ Parts in 8700.61CK (Complete Repair Kit)

Maximum Flow	26.0 GPM / 98 lpm
Maximum Pressure	300 PSI / 20 bar
Maximum RPM	550 RPM
Inlet Port - Hose Barb	1-1/2" HB
Outlet Ports - Hose Barb, Valve	3/4" HB
Bypass - Hose Barb	-
Dimensions	10.5"L x 10"W x 9"H
Weight	21 lbs

Lubrication: Requires 20 oz. of Udor Lube 40W Premium Pump Oil.
 Alternate Oil: 30W non-detergent or 15W-40 non-detergent oil.



CODE	QTY
010204	3
030143	3
090314	1
090320	3
110104	1
110127	6
110142	1
6063Q5	6

CODE	QTY
010204	3
030143	3

CODE	QTY
090314	1
090320	3
110127	6

CODE	QTY
110127	6
6063Q5	6

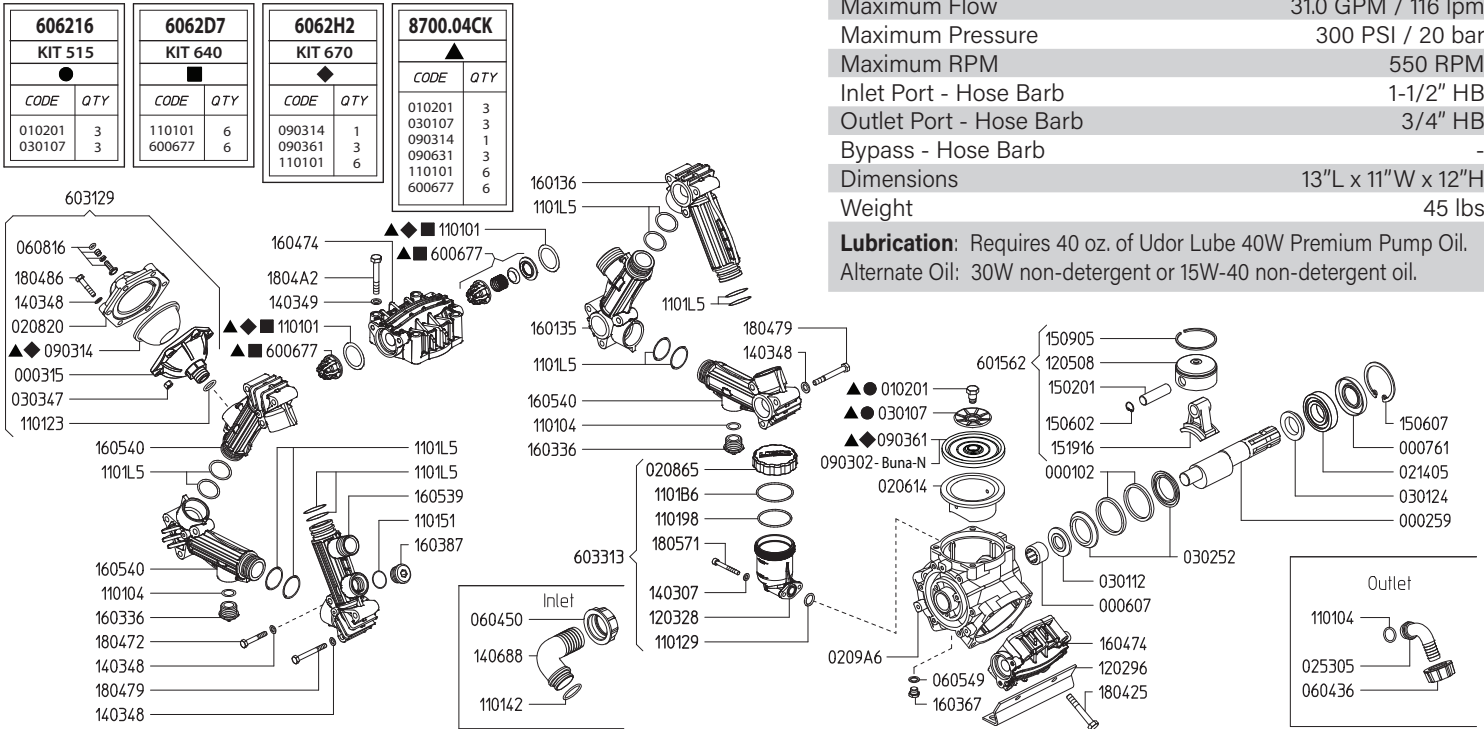
Revised 2-8-2023

Part #	Description	Qty	Part #	Description	Qty
0001.02	RETAINER RING	2	1203.28	OIL RESERVIOR	1
0002.C5	CRANKSHAFT VA	1	1205.43	ALUMINIUM PISTON D65	3
0003.15	PRESSURE ACCUMULATOR BASE	1	1403.02	WASHER M10	1
0006.07	BUSHING D25	1	1403.07	WASHER M6	2
0007.61	OIL SEAL D35	1	1403.48	WASHER M8	18
0102.04	DIAPHRAGM BOLT ●▲	3	1403.49	WASHER M10	12
0206.45	SLEEVE D65	3	1406.88	INLET HOSE BARB D38	1
0208.20	ACCUMULATOR COVER	1	1411.03	SERATED WASHER M10	3
0208.65	OIL RESERVIOR CAP	1	1502.07	PIN 15X54	3
0209.76	CRANKCASE	1	1506.07	SNAP RING D72	1
0214.05	BALL BEARING D35	1	1506.15	SNAP RING D15	3
0253.05	OUTLET HOSE BARB D20	1	1519.30	CONNECTING ROD	3
0301.12	BEARING DISC - D25	1	1601.25	INLET-OUTLET MANIFOLD	1
0301.24	BEARING DISC - D35	1	1601.26	SUCTION MANIFOLD G1"1/2 M	1
0301.43	DIAPHRAGM WASHER ●▲	3	1603.36	PLUG G3/4	2
0302.52	ROD SPACER	2	1603.67	PLUG G1/4	1
0303.47	HEX NUT M8X8	6	1603.87	PLUG G3/4	1
0304.04	NY-LOCK NUT M10	3	1604.72	HEAD	3
0501.62	ADAPTER - VA	1	1605.28	OUTLET MANIFOLD G3/4 F	3
0501.79	FLANGE - VA	1	1605.29	OUTLET MANIFOLD G1" M - G3/4 F	1
0604.36	BARB NUT G1"	1	1804.04	HEX BOLT M8X55	12
0604.50	BARB NUT G1-1/2"	1	1804.86	HEX BOLT M8X40	6
0605.49	GASKET D13	1	1804.99	HEX BOLT M10X25	1
0608.16	AIR VALVE ASSEMBLY	1	1804.A9	HEX BOLT M10X60	12
0801.11	KEY - 10X8X40	1	1805.71	ALLEN BOLT M6X50	2
0903.13	PISTON DIAPHRAGM BUNA-N 100MM	3	6015.49	ROD ASSEMBLY D60 PISTON	3
0903.14	ACCUMULATOR DIAPHRAGM ◆▲	1	6031.29	PRESSURE ACCUMULATOR ASSEMBLY	1
0903.20	PISTON DIAPHRAGM GREENTECH 100MM ◆▲	3	6033.13	OIL RESERVOIR ASSEMBLY	1
1101.04	O-RING - MANIFOLD PLUG▲	3	6063.Q5	VALVE ASSEMBLY W/O O-RING ■▲	6
1101.23	O-RING - ACCUMULATOR	1	6062.48	DIAPHRAGM BOLT & WASHER (KIT 547)	1
1101.27	O-RING - VALVE ◆■▲	6	6062.D8	IN/OUTLET VALVE KIT (KIT 641)	1
1101.29	O-RING - OIL RESERVOIR	1	8700.10	DIAPHRAGM KIT GREENTECH (KIT 625)	1
1101.42	O-RING - INLET HOSE BARB▲	1	8700.61CK	COMPLETE REPAIR KIT	1
1101.49	O-RING - MANIFOLD TUBES	12			
1101.51	O-RING - MANIFOLD PLUG	1			
1101.98	O-RING - OIL RESERVIOR	1			
1101.B6	O-RING - OIL RESERVIOR	1			
1101.F6	O-RING - BEARING FLANGE	1			

- Parts in 6062.48 (Kit 547).
- Parts in 6062.D8 (Kit 641).
- ◆ Parts in 8700.10 (Kit 625).
- ▲ Parts in 8700.61CK (Complete Repair Kit)

Maximum Flow	31.0 GPM / 116 lpm
Maximum Pressure	300 PSI / 20 bar
Maximum RPM	550 RPM
Inlet Port - Hose Barb	1-1/2" HB
Outlet Port - Hose Barb	3/4" HB
Bypass - Hose Barb	-
Dimensions	13"L x 11"W x 12"H
Weight	45 lbs

Lubrication: Requires 40 oz. of Udor Lube 40W Premium Pump Oil.
Alternate Oil: 30W non-detergent or 15W-40 non-detergent oil.



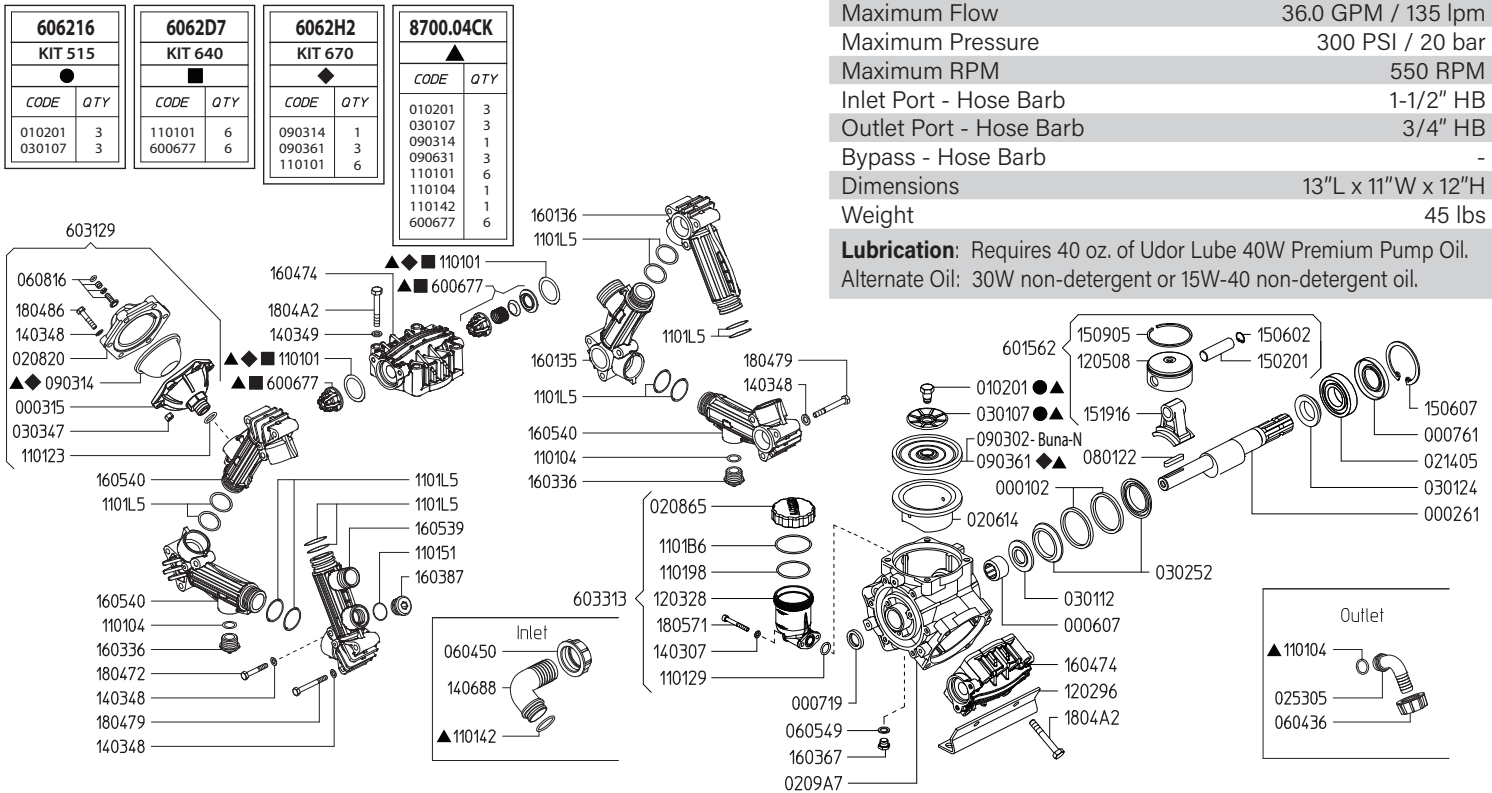
Revised 1-23-2023

Part #	Description	Qty	Part #	Description	Qty
0001.02	RETAINER RING	2	1205.08	ALUMINIUM PISTON D75	3
0002.59	CRANKSHAFT	1	1403.07	WASHER M6	2
0003.15	ACCUMULATOR BASE	1	1403.48	WASHER M8	24
0006.07	BEARING D25	1	1403.49	WASHER M10	8
0007.61	OIL SEAL D35	1	1406.88	HOSE BARB - SUCTION 1-1/2"	1
0102.01	DIAPHRAGM BOLT ●▲	3	1502.01	PIN D18X64	3
0206.14	SLEEVE D75	3	1506.02	SNAP RING D18	3
0208.20	ACCUMULATOR COVER	1	1506.07	SNAP RING D72	1
0208.65	OIL RESERVIOR CAP	1	1509.05	PISTON RING D75	3
0209.A6	CRANKCASE	1	1519.16	CONNECTING ROD	3
0214.05	BALL BEARING D35	1	1601.35	SUCTION MANIFOLD G1"1/2 M	1
0253.05	HOSE BARB D20	1	1601.36	INLET-OUTLET MANIFOLD	1
0301.07	DIAPHRAGM WASHER ●▲	3	1603.36	PLUG G3/4	2
0301.12	BEARING DISC - D25	1	1603.67	PLUG G1/4	1
0301.24	BEARING DISC - D35	1	1603.87	PLUG G3/4	1
0302.52	ROD SPACER	2	1604.74	HEAD	3
0303.47	HEX NUT M8X8	6	1605.39	MANIFOLD G1" M - G3/4 F	1
0604.36	BARB NUT G1"	1	1605.40	INLET-OUTLET MANIFOLD G3/4 F	3
0604.50	BARB NUT G1-1/2"	1	1804.72	HEX BOLT M8X50	6
0605.49	GASKET D13	1	1804.79	HEX BOLT M8X70	12
0608.16	AIR VALVE ASSEMBLY	1	1804.86	HEX BOLT M8X40	6
0903.02	PISTON DIAPHRAGM - BUNA-N 116MM	3	1804.A2	HEX BOLT M10X75	12
0903.14	ACCUMULATOR DIAPHRAGM ◆▲	1	1805.71	ALLEN BOLT M6X50	2
0903.61	PISTON DIAPHRAGM - GREENTECH 116MM ◆▲	3	6006.77	VALVE ASSEMBLY W/O O-RING ■▲	6
1101.01	O-RING - VALVE ◆■▲	6	6015.62	ROD ASSEMBLY - D75 PISTON	3
1101.04	O-RING - DISCHARGE BARB	3	6031.29	ACCUMULATOR ASSEMBLY	1
1101.23	O-RING - ACCUMULATOR	1	6033.13	OIL RESERVIOR ASSEMBLY	1
1101.29	O-RING - OIL RESERVIOR	1	6062.16	DIAPHRAGM BOLT & WASHER (KIT 515)	1
1101.42	O-RING - INLET BARB	1	6062.D7	IN/OUTLET VALVE KIT (KIT 640)	1
1101.51	O-RING - PLUG	1	6062.H2	DIAPHRAGM KIT - GREENTECH (KIT 670)	1
1101.98	O-RING - OIL RESERVIOR	1	8700.04CK	COMPLETE REPAIR KIT	1
1101.B6	O-RING - OIL RESERVIOR	1			
1101.L5	O-RING - MANIFOLD TUBES	12			
1202.96	RAIL	2			
1203.28	OIL RESERVIOR	1			

- Parts in 6062.16 (Kit 515)
- Parts in 6062.D7 (Kit 640)
- ◆ Parts in 6062.H2 (Kit 670)
- ▲ Parts in 8700.04CK

Maximum Flow	36.0 GPM / 135 lpm
Maximum Pressure	300 PSI / 20 bar
Maximum RPM	550 RPM
Inlet Port - Hose Barb	1-1/2" HB
Outlet Port - Hose Barb	3/4" HB
Bypass - Hose Barb	-
Dimensions	13"L x 11"W x 12"H
Weight	45 lbs

Lubrication: Requires 40 oz. of Udor Lube 40W Premium Pump Oil.
Alternate Oil: 30W non-detergent or 15W-40 non-detergent oil.



Revised 1-23-2023

Part #	Description	Qty	Part #	Description	Qty
0001.02	RETAINER RING	2	1203.28	OIL RESERVIOR	1
0002.61	CRANKSHAFT - TS1C	1	1205.08	ALUMINIUM PISTON D75	3
0003.15	ACCUMULATOR BASE	1	1403.07	WASHER M6	2
0006.07	BEARING D25	1	1403.48	WASHER M8	24
0007.19	OIL SEAL D25	1	1403.49	WASHER M10	8
0007.61	OIL SEAL D35	1	1406.88	HOSE BARB - SUCTION 1-1/2"	1
0102.01	DIAPHRAGM BOLT ●▲	3	1502.01	PIN D18X64	3
0206.14	SLEEVE D75	3	1506.02	SNAP RING D18	3
0208.20	ACCUMULATOR COVER	1	1506.07	SNAP RING D72	1
0208.65	OIL RESERVIOR CAP	1	1509.05	PISTON RING D75	3
0209.A7	CRANKCASE	1	1519.16	CONNECTING ROD	3
0214.05	BALL BEARING D35	1	1601.35	SUCTION MANIFOLD G1"1/2 M	1
0253.05	HOSE BARB D20	1	1601.36	INLET-OUTLET MANIFOLD	1
0301.07	DIAPHRAGM WASHER ●▲	3	1603.36	PLUG G3/4	2
0301.12	BEARING DISC - D25	1	1603.67	PLUG G1/4	1
0301.24	BEARING DISC - D35	1	1603.87	PLUG G3/4	1
0302.52	ROD SPACER	2	1604.74	HEAD	3
0303.47	HEX NUT M8X8	6	1605.39	MANIFOLD G1" M - G3/4 F	1
0604.36	BARB NUT G1"	1	1605.40	INLET-OUTLET MANIFOLD G3/4 F	3
0604.50	BARB NUT G1-1/2"	1	1804.72	HEX BOLT M8X50	6
0605.49	GASKET D13	1	1804.79	HEX BOLT M8X70	12
0608.16	AIR VALVE ASSEMBLY	1	1804.86	HEX BOLT M8X40	6
0801.22	KEY A8X7X45 UNI6604-69	1	1804.A2	HEX BOLT M10X75	12
0903.02	PISTON DIAPHRAGM - BUNA-N 116MM	3	1805.71	ALLEN BOLT M6X50	2
0903.14	ACCUMULATOR DIAPHRAGM ◆▲	1	6006.77	VALVE ASSEMBLY W/O O-RING ■▲	6
0903.61	PISTON DIAPHRAGM - GREENTECH 116MM ◆▲	3	6015.62	ROD ASSEMBLY - D75 PISTON	3
1101.01	O-RING - VALVE ◆■▲	6	6031.29	ACCUMULATOR ASSEMBLY	1
1101.04	O-RING - DISCHARGE BARB	3	6033.13	OIL RESERVIOR ASSEMBLY	1
1101.23	O-RING - ACCUMULATOR	1	6062.16	DIAPHRAGM BOLT & WASHER (KIT 515)	1
1101.29	O-RING - OIL RESERVIOR	1	6062.D7	IN/OUTLET VALVE KIT (KIT 640)	1
1101.42	O-RING - INLET BARB	1	6062.H2	DIAPHRAGM KIT - GREENTECH (KIT 670)	1
1101.51	O-RING - PLUG	1	8700.04CK	COMPLETE REPAIR KIT	1
1101.98	O-RING - OIL RESERVIOR	1			
1101.B6	O-RING - OIL RESERVIOR	1			
1101.L5	O-RING - MANIFOLD TUBES	12			
1202.96	RAIL	2			

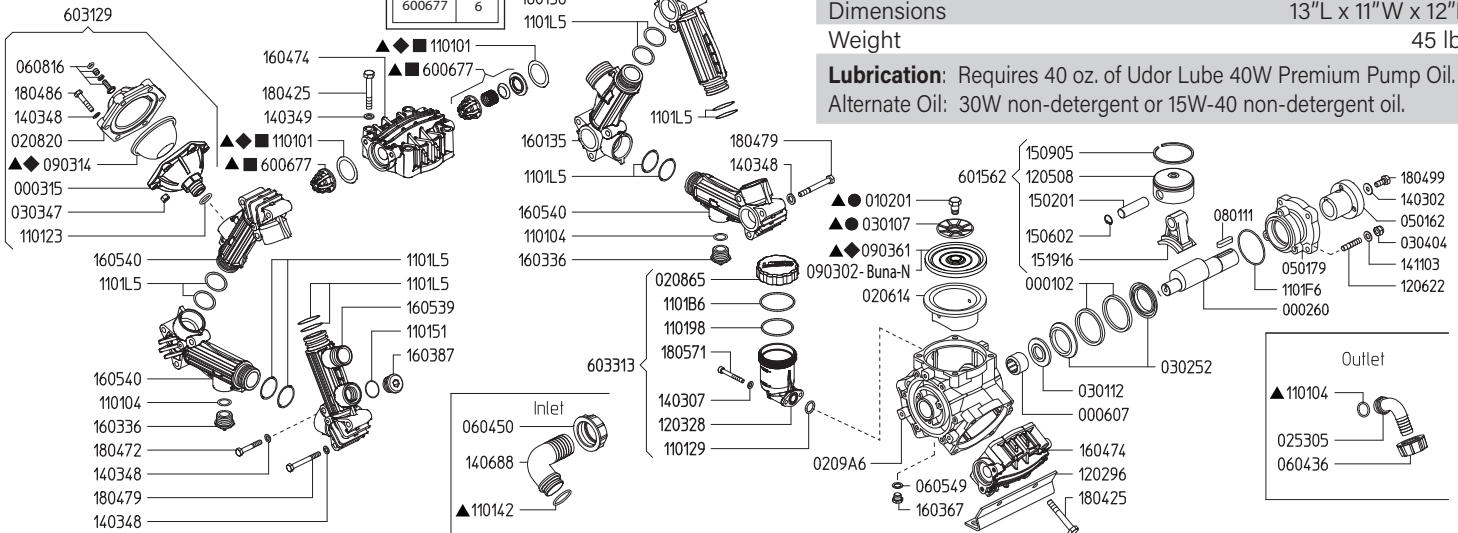
- Parts in 6062.16 (Kit 515)
- Parts in 6062.D7 (Kit 640)
- ◆ Parts in 6062.H2 (Kit 670)
- ▲ Parts in 8700.04CK

ZETA 120 VAGR1

606216 KIT 515		6062D7 KIT 640		6062H2 KIT 670		8700.04CK	
CODE	QTY	CODE	QTY	CODE	QTY	CODE	QTY
010201	3	110101	6	090314	1	010201	3
030107	3	600677	6	090361	3	030107	1
				110101	6	090631	3
				110104	6	110101	6
				110104	1	110104	1
				110142	1	110142	1
				600677	6	600677	6

Maximum Flow	31.0 GPM / 116 lpm
Maximum Pressure	300 PSI / 20 bar
Maximum RPM	550 RPM
Inlet Port - Hose Barb	1-1/2" HB
Outlet Port - Hose Barb	3/4" HB
Bypass - Hose Barb	-
Dimensions	13"L x 11"W x 12"H
Weight	45 lbs

Lubrication: Requires 40 oz. of Udor Lube 40W Premium Pump Oil.
Alternate Oil: 30W non-detergent or 15W-40 non-detergent oil.



Revised 1-23-2023

Part #	Description	Qty	Part #	Description	Qty
0001.02	RETAINER RING	2	1403.02	WASHER M10	1
0002.60	CRANKSHAFT	1	1403.07	WASHER M6	2
0003.15	ACCUMULATOR BASE	1	1403.48	WASHER M8	24
0006.07	BEARING D25	1	1403.49	WASHER M10	8
0102.01	DIAPHRAGM BOLT ●▲	3	1406.88	HOSE BARB - SUCTION 1-1/2"	1
0206.14	SLEEVE D75	3	1411.03	SERATED WASHER M10	4
0208.20	ACCUMULATOR COVER	1	1502.01	PIN D18X64	3
0208.65	OIL RESERVIOR CAP	1	1506.02	SNAP RING D18	3
0209.A6	CRANKCASE	1	1509.05	PISTON RING D75	3
0253.05	HOSE BARB D20	1	1519.16	CONNECTING ROD	3
0301.07	DIAPHRAGM WASHER ●▲	3	1601.35	SUCTION MANIFOLD G1"1/2 M	1
0301.12	BEARING DISC - D25	1	1601.36	INLET-OUTLET MANIFOLD	1
0302.52	ROD SPACER	2	1603.36	PLUG G3/4	2
0303.47	HEX NUT M8X8	6	1603.67	PLUG G1/4	1
0304.04	NYLOCK NUT M10	4	1603.87	PLUG G3/4	1
0501.62	ADAPTER - VA	1	1604.74	HEAD	3
0501.79	FLANGE - VA	1	1605.39	MANIFOLD G1" M - G3/4 F	1
0604.36	BARB NUT G1"	1	1605.40	INLET-OUTLET MANIFOLD G3/4 F	3
0604.50	BARB NUT G1-1/2"	1	1804.25	HEX BOLT M10X75	12
0605.49	OIL PLUG GASKET	1	1804.72	HEX BOLT M8X50	6
0608.16	AIR VALVE ASSEMBLY	1	1804.79	HEX BOLT M8X70	12
0801.11	KEY A10X8X40	1	1804.86	HEX BOLT M8X40	6
0903.14	ACCUMULATOR DIAPHRAGM ◆▲	1	1804.99	HEX BOLT M10X25	1
0903.61	PISTON DIAPHRAGM - GREENTECH ◆▲	3	1805.71	ALLEN BOLT M6X50	2
1101.01	O-RING - VALVE ■◆▲	6	6006.77	VALVE ASSEMBLY W/O O-RING ■▲	6
1101.04	O-RING - DISCHARGE BARB	3	6015.62	ROD ASSEMBLY - D75 PISTON	3
1101.23	O-RING - ACCUMULATOR	1	6031.29	ACCUMULATOR ASSEMBLY	1
1101.29	O-RING - OIL RESERVIOR	1	6033.13	OIL RESERVOIR ASSEMBLY	1
1101.42	O-RING - INLET BARB	1	6062.16	DIAPHRAGM BOLT & WASHER (KIT 515)	1
1101.51	O-RING - PLUG	1	6062.D7	IN/OUTLET VALVE KIT (KIT 640)	1
1101.98	O-RING - OIL RESERVIOR	1	6062.H2	DIAPHRAGM KIT - GREENTECH (KIT 670)	1
1101.B6	O-RING - OIL RESERVIOR	1	8700.04CK	COMPLETE REPAIR KIT	1
1101.F6	O-RING - FLANGE	1			
1101.L5	O-RING - MANIFOLD TUBES	12			
1202.96	RAIL	2			
1203.28	OIL RESERVIOR	1			
1205.08	ALUMINIUM PISTON D75	3			
1206.22	STUD M10X46	4			

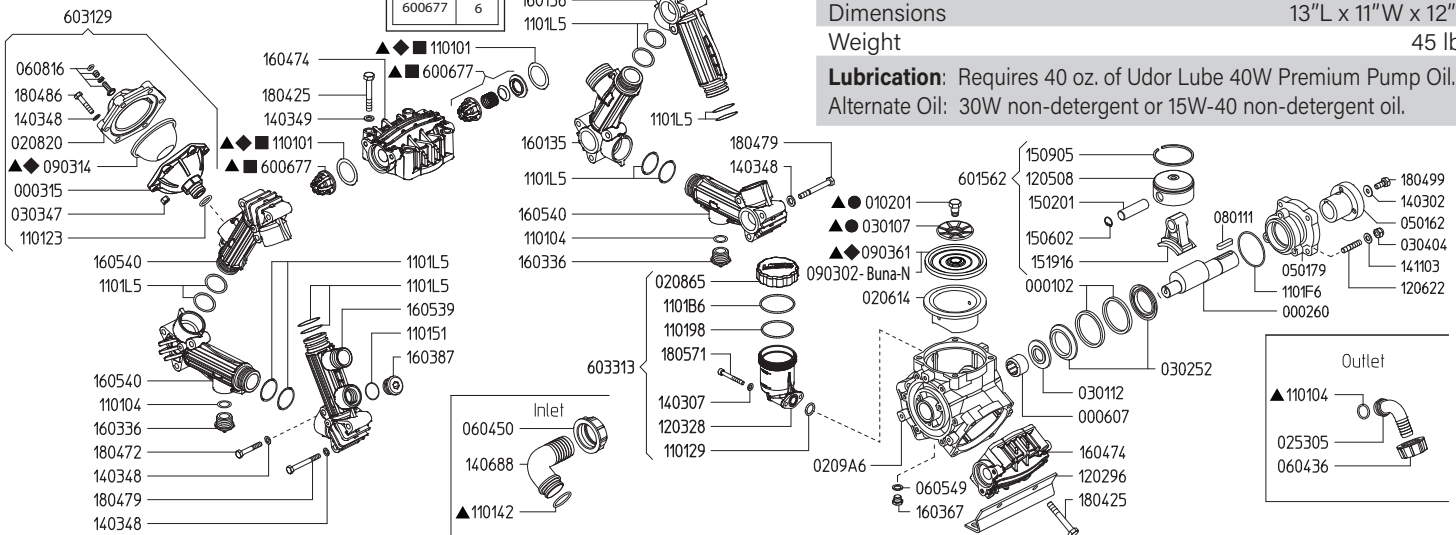
- Parts in 6062.16 (Kit 515)
- Parts in 6062.D7 (Kit 640)
- ◆ Parts in 6062.H2 (Kit 670)
- ▲ Parts in 8700.04CK

ZETA 120 VAGR1

606216 KIT 515		6062D7 KIT 640		6062H2 KIT 670		8700.04CK	
CODE	QTY	CODE	QTY	CODE	QTY	CODE	QTY
010201	3	110101	6	090314	1	010201	3
030107	3	600677	6	090361	3	030107	1
				110101	6	090631	3
				110104	6	110101	6
				110104	1	110104	1
				110142	1	110142	1
				600677	6	600677	6

Maximum Flow	31.0 GPM / 116 lpm
Maximum Pressure	300 PSI / 20 bar
Maximum RPM	550 RPM
Inlet Port - Hose Barb	1-1/2" HB
Outlet Port - Hose Barb	3/4" HB
Bypass - Hose Barb	-
Dimensions	13"L x 11"W x 12"H
Weight	45 lbs

Lubrication: Requires 40 oz. of Udor Lube 40W Premium Pump Oil.
Alternate Oil: 30W non-detergent or 15W-40 non-detergent oil.



Revised 3-8-2023

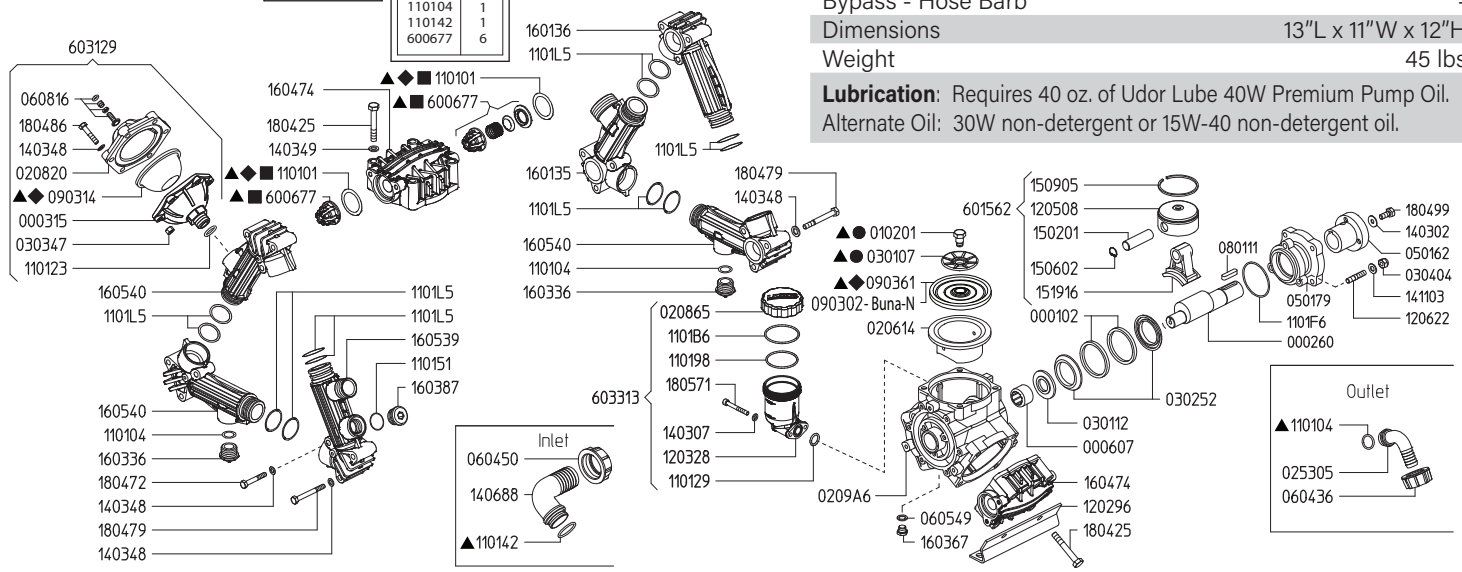
Part #	Description	Qty	Part #	Description	Qty
0001.02	RETAINER RING	2	1403.02	WASHER M10	1
0002.60	CRANKSHAFT	1	1403.07	WASHER M6	2
0003.15	ACCUMULATOR BASE	1	1403.48	WASHER M8	24
0006.07	BEARING D25	1	1403.49	WASHER M10	8
0102.01	DIAPHRAGM BOLT ●▲	3	1406.88	HOSE BARB - SUCTION 1-1/2"	1
0206.14	SLEEVE D75	3	1411.03	SERATED WASHER M10	4
0208.20	ACCUMULATOR COVER	1	1502.01	PIN D18X64	3
0208.65	OIL RESERVIOR CAP	1	1506.02	SNAP RING D18	3
0209.A6	CRANKCASE	1	1509.05	PISTON RING D75	3
0253.05	HOSE BARB D20	1	1519.16	CONNECTING ROD	3
0301.07	DIAPHRAGM WASHER ●▲	3	1601.35	SUCTION MANIFOLD G1"1/2 M	1
0301.12	BEARING DISC - D25	1	1601.36	INLET-OUTLET MANIFOLD	1
0302.52	ROD SPACER	2	1603.36	PLUG G3/4	2
0303.47	HEX NUT M8X8	6	1603.67	PLUG G1/4	1
0304.04	NYLOCK NUT M10	4	1603.87	PLUG G3/4	1
0501.62	ADAPTER - VA	1	1604.74	HEAD	3
0501.79	FLANGE - VA	1	1605.39	MANIFOLD G1" M - G3/4 F	1
0604.36	BARB NUT G1"	1	1605.40	INLET-OUTLET MANIFOLD G3/4 F	3
0604.50	BARB NUT G1-1/2"	1	1804.25	HEX BOLT M10X75	12
0605.49	OIL PLUG GASKET	1	1804.72	HEX BOLT M8X50	6
0608.16	AIR VALVE ASSEMBLY	1	1804.79	HEX BOLT M8X70	12
0801.11	KEY A10X8X40	1	1804.86	HEX BOLT M8X40	6
0903.14	ACCUMULATOR DIAPHRAGM ◆▲	1	1804.99	HEX BOLT M10X25	1
0903.61	PISTON DIAPHRAGM - GREENTECH ◆▲	3	1805.71	ALLEN BOLT M6X50	2
1101.01	O-RING - VALVE ■◆▲	6	6006.77	VALVE ASSEMBLY W/O O-RING ■▲	6
1101.04	O-RING - DISCHARGE BARB	3	6015.62	ROD ASSEMBLY - D75 PISTON	3
1101.23	O-RING - ACCUMULATOR	1	6031.29	ACCUMULATOR ASSEMBLY	1
1101.29	O-RING - OIL RESERVIOR	1	6033.13	OIL RESERVOIR ASSEMBLY	1
1101.42	O-RING - INLET BARB	1	6062.16	DIAPHRAGM BOLT & WASHER (KIT 515)	1
1101.51	O-RING - PLUG	1	6062.D7	IN/OUTLET VALVE KIT (KIT 640)	1
1101.98	O-RING - OIL RESERVIOR	1	6062.H2	DIAPHRAGM KIT - GREENTECH (KIT 670)	1
1101.B6	O-RING - OIL RESERVIOR	1	8700.04CK	COMPLETE REPAIR KIT	1
1101.F6	O-RING - FLANGE	1			
1101.L5	O-RING - MANIFOLD TUBES	12			
1202.96	RAIL	2			
1203.28	OIL RESERVIOR	1			
1205.08	ALUMINIUM PISTON D75	3			
1206.22	STUD M10X46	4			

- Parts in 6062.16 (Kit 515)
- Parts in 6062.D7 (Kit 640)
- ◆ Parts in 6062.H2 (Kit 670)
- ▲ Parts in 8700.04CK

606216 KIT 515		6062D7 KIT 640		6062H2 KIT 670		8700.04CK	
CODE	QTY	CODE	QTY	CODE	QTY	CODE	QTY
010201	3	110101	6	090314	1	010201	3
030107	3	600677	6	090361	3	030107	3
				110101	6	090314	1
				110101	3	110101	6
				110104	1	110104	1
				110142	1	110142	1
				600677	6	600677	6

Maximum Flow	31.0 GPM / 116 lpm
Maximum Pressure	200 PSI / 13.8 bar
Maximum RPM	550 RPM
Inlet Port - Hose Barb	1-1/2" HB
Outlet Port - Hose Barb	3/4" HB
Bypass - Hose Barb	-
Dimensions	13"L x 11"W x 12"H
Weight	45 lbs

Lubrication: Requires 40 oz. of Udor Lube 40W Premium Pump Oil.
Alternate Oil: 30W non-detergent or 15W-40 non-detergent oil.

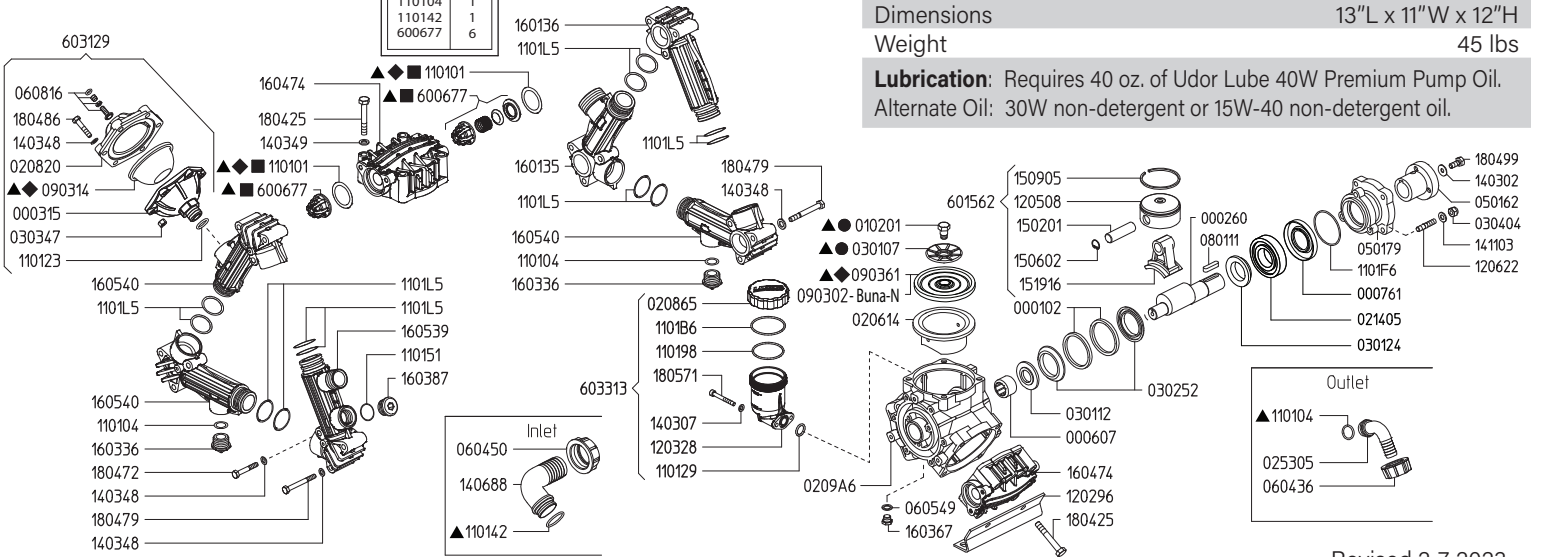


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Part #	Description	Qty	Part #	Description	Qty
0001.02	RETAINER RING	2	1206.22	STUD M10X46	4
0002.60	CRANKSHAFT	1	1403.02	WASHER M10	1
0003.15	ACCUMULATOR BASE	1	1403.07	WASHER M6	2
0006.07	BEARING D25	1	1403.48	WASHER M8	24
0102.01	DIAPHRAGM BOLT ●▲	3	1403.49	WASHER M10	8
0206.14	SLEEVE D75	3	1406.88	HOSE BARB - SUCTION 1-1/2"	1
0208.20	ACCUMULATOR COVER	1	1411.03	SERATED WASHER M10	4
0208.65	OIL RESERVIOR CAP	1	1502.01	PIN D18X64	3
0209.A6	CRANKCASE	1	1506.02	SNAP RING D18	3
0253.05	HOSE BARB D20	1	1509.05	PISTON RING D75	3
0301.07	DIAPHRAGM WASHER ●▲	3	1519.16	CONNECTING ROD	3
0301.12	BEARING DISC - D25	1	1601.35	SUCTION MANIFOLD G1"1/2 M	1
0302.52	ROD SPACER	2	1601.36	INLET-OUTLET MANIFOLD	1
0303.47	HEX NUT M8X8	6	1603.36	PLUG G3/4	2
0304.04	NYLOCK NUT M10	4	1603.67	PLUG G1/4	1
0501.62	ADAPTER - VA	1	1603.87	PLUG G3/4	1
0501.79	FLANGE - VA	1	1604.74	HEAD	3
0604.36	BARB NUT G1"	1	1605.39	MANIFOLD G1" M - G3/4 F	1
0604.50	BARB NUT G1-1/2"	1	1605.40	INLET-OUTLET MANIFOLD G3/4 F	3
0605.49	OIL PLUG GASKET	1	1804.25	HEX BOLT M10X75	12
0608.16	AIR VALVE ASSEMBLY	1	1804.72	HEX BOLT M8X50	6
0801.11	KEY A10X8X40	1	1804.79	HEX BOLT M8X70	12
0903.02	PISTON DIAPHRAGM - BUNA-N 116MM	3	1804.86	HEX BOLT M8X40	6
0903.14	ACCUMULATOR DIAPHRAGM ◆▲	1	1804.99	HEX BOLT M10X25	1
0903.61	PISTON DIAPHRAGM - GREENTECH 116MM ◆▲	3	1805.71	ALLEN BOLT M6X50	2
1101.01	O-RING - VALVE ■◆▲	6	6006.77	VALVE ASSEMBLY W/O O-RING ■▲	6
1101.04	O-RING - DISCHARGE BARB▲	3	6015.62	ROD ASSEMBLY - D75 PISTON	3
1101.23	O-RING - ACCUMULATOR	1	6031.29	ACCUMULATOR ASSEMBLY	1
1101.29	O-RING - OIL RESERVIOR	1	6033.13	OIL RESERVOIR ASSEMBLY	1
1101.42	O-RING - INLET BARB▲	1	6062.16	DIAPHRAGM BOLT & WASHER (KIT 515)	1
1101.51	O-RING - PLUG	1	6062.D7	IN/OUTLET VALVE KIT (KIT 640)	1
1101.98	O-RING - OIL RESERVIOR	1	6062.H2	DIAPHRAGM KIT - GREENTECH (KIT 670)	1
1101.B6	O-RING - OIL RESERVIOR	1	8700.04CK	COMPLETE REPAIR KIT	1
1101.F6	O-RING - FLANGE	1			
1101.L5	O-RING - MANIFOLD TUBES	12			
1202.96	RAIL	2			
1203.28	OIL RESERVIOR	1			
1205.08	ALUMINIUM PISTON D75	3			

- Parts in 6062.16 (Kit 515)
- Parts in 6062.D7 (Kit 640)
- ◆ Parts in 6062.H2 (Kit 670)
- ▲ Parts in 8700.04CK

606216 KIT 515		6062D7 KIT 640		6062H2 KIT 670		8700.04CK	
CODE	QTY	CODE	QTY	CODE	QTY	CODE	QTY
010201	3	110101	6	090314	1	010201	3
030107	3	600677	6	090361	3	030107	3
				110101	6	090631	3
				110104	1	110101	6
				110104	1	110104	1
				110142	1	110142	1
				600677	6	600677	6



Maximum Flow	31.0 GPM / 116 lpm
Maximum Pressure	300 PSI / 20 bar
Maximum RPM	550 RPM
Inlet Port - Hose Barb	1-1/2" HB
Outlet Port - Hose Barb	3/4" HB
Bypass - Hose Barb	-
Dimensions	13"L x 11"W x 12"H
Weight	45 lbs

Lubrication: Requires 40 oz. of Udor Lube 40W Premium Pump Oil.
Alternate Oil: 30W non-detergent or 15W-40 non-detergent oil.

Revised 2-7-2023

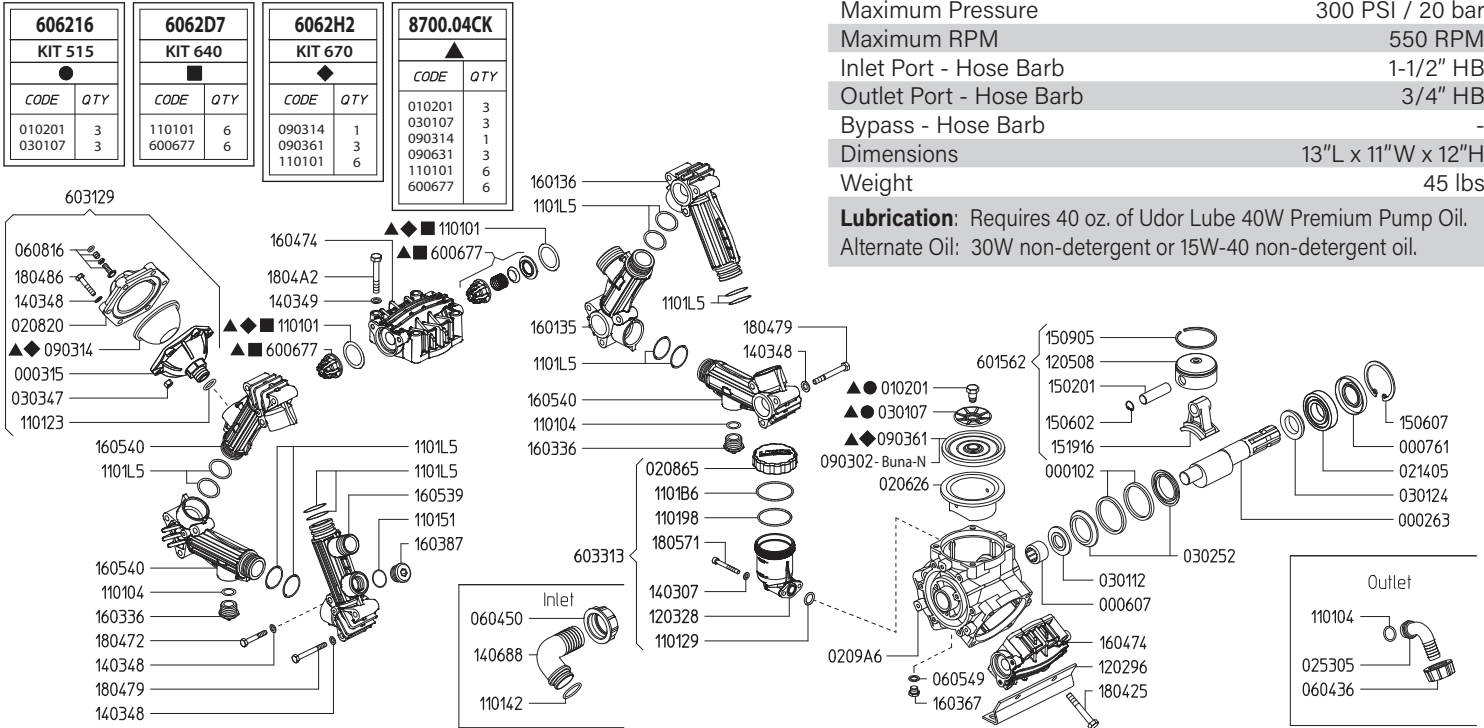
Part #	Description	Qty
0001.02	RETAINER RING	2
0002.60	CRANKSHAFT	1
0003.15	ACCUMULATOR BASE	1
0006.07	BEARING D25	1
0007.61	OIL SEAL D35	1
0102.01	DIAPHRAGM BOLT ●▲	3
0206.14	SLEEVE D75	3
0208.20	ACCUMULATOR COVER	1
0208.65	OIL RESERVIOR CAP	1
0209.A6	CRANKCASE	1
0214.05	BALL BEARING - D35	1
0253.05	HOSE BARB D20	1
0301.07	DIAPHRAGM WASHER ●▲	3
0301.12	BEARING DISC - D25	1
0301.24	BEARING DISC - D35	1
0302.52	ROD SPACER	2
0303.47	HEX NUT M8X8	6
0304.04	NYLOCK NUT M10	4
0501.62	ADAPTER - VA	1
0501.79	FLANGE - VA	1
0604.36	BARB NUT G1"	1
0604.50	BARB NUT G1-1/2"	1
0605.49	OIL PLUG GASKET	1
0608.16	AIR VALVE ASSEMBLY	1
0801.11	KEY A10X8X40	1
0903.02	PISTON DIAPHRAGM - BUNA-N 116MM	3
0903.14	ACCUMULATOR DIAPHRAGM ◆▲	1
0903.61	PISTON DIAPHRAGM - GREENTECH 116MM ◆▲	3
1101.01	O-RING - VALVE ■◆▲	6
1101.04	O-RING - DISCHARGE BARB▲	3
1101.23	O-RING - ACCUMULATOR	1
1101.29	O-RING - OIL RESERVIOR	1
1101.42	O-RING - INLET BARB▲	1
1101.51	O-RING - PLUG	1
1101.98	O-RING - OIL RESERVIOR	1
1101.B6	O-RING - OIL RESERVIOR	1
1101.F6	O-RING - FLANGE	1
1101.L5	O-RING - MANIFOLD TUBES	12
1202.96	RAIL	2

Part #	Description	Qty
1203.28	OIL RESERVIOR	1
1205.08	ALUMINIUM PISTON D75	3
1206.22	STUD M10X46	4
1403.02	WASHER M10	1
1403.07	WASHER M6	2
1403.48	WASHER M8	24
1403.49	WASHER M10	8
1406.88	HOSE BARB - SUCTION 1-1/2"	1
1411.03	SERATED WASHER M10	4
1502.01	PIN D18X64	3
1506.02	SNAP RING D18	3
1509.05	PISTON RING D75	3
1519.16	CONNECTING ROD	3
1601.35	SUCTION MANIFOLD G1"1/2 M	1
1601.36	INLET-OUTLET MANIFOLD	1
1603.36	PLUG G3/4	2
1603.67	PLUG G1/4	1
1603.87	PLUG G3/4	1
1604.74	HEAD	3
1605.39	MANIFOLD G1" M - G3/4 F	1
1605.40	INLET-OUTLET MANIFOLD G3/4 F	3
1804.25	HEX BOLT M10X75	12
1804.72	HEX BOLT M8X50	6
1804.79	HEX BOLT M8X70	12
1804.86	HEX BOLT M8X40	6
1804.99	HEX BOLT M10X25	1
1805.71	ALLEN BOLT M6X50	2
6006.77	VALVE ASSEMBLY W/O O-RING ■▲	6
6015.62	ROD ASSEMBLY - D75 PISTON	3
6031.29	ACCUMULATOR ASSEMBLY	1
6033.13	OIL RESERVOIR ASSEMBLY	1
6062.16	DIAPHRAGM BOLT & WASHER (KIT 515)	1
6062.D7	IN/OUTLET VALVE KIT (KIT 640)	1
6062.H2	DIAPHRAGM KIT - GREENTECH (KIT 670)	1
8700.04CK	COMPLETE REPAIR KIT	1

- Parts in 6062.16 (Kit 515)
- Parts in 6062.D7 (Kit 640)
- ◆ Parts in 6062.H2 (Kit 670)
- ▲ Parts in 8700.04CK

Maximum Flow	36.0 GPM / 135 lpm
Maximum Pressure	300 PSI / 20 bar
Maximum RPM	550 RPM
Inlet Port - Hose Barb	1-1/2" HB
Outlet Port - Hose Barb	3/4" HB
Bypass - Hose Barb	-
Dimensions	13"L x 11"W x 12"H
Weight	45 lbs

Lubrication: Requires 40 oz. of Udor Lube 40W Premium Pump Oil.
Alternate Oil: 30W non-detergent or 15W-40 non-detergent oil.

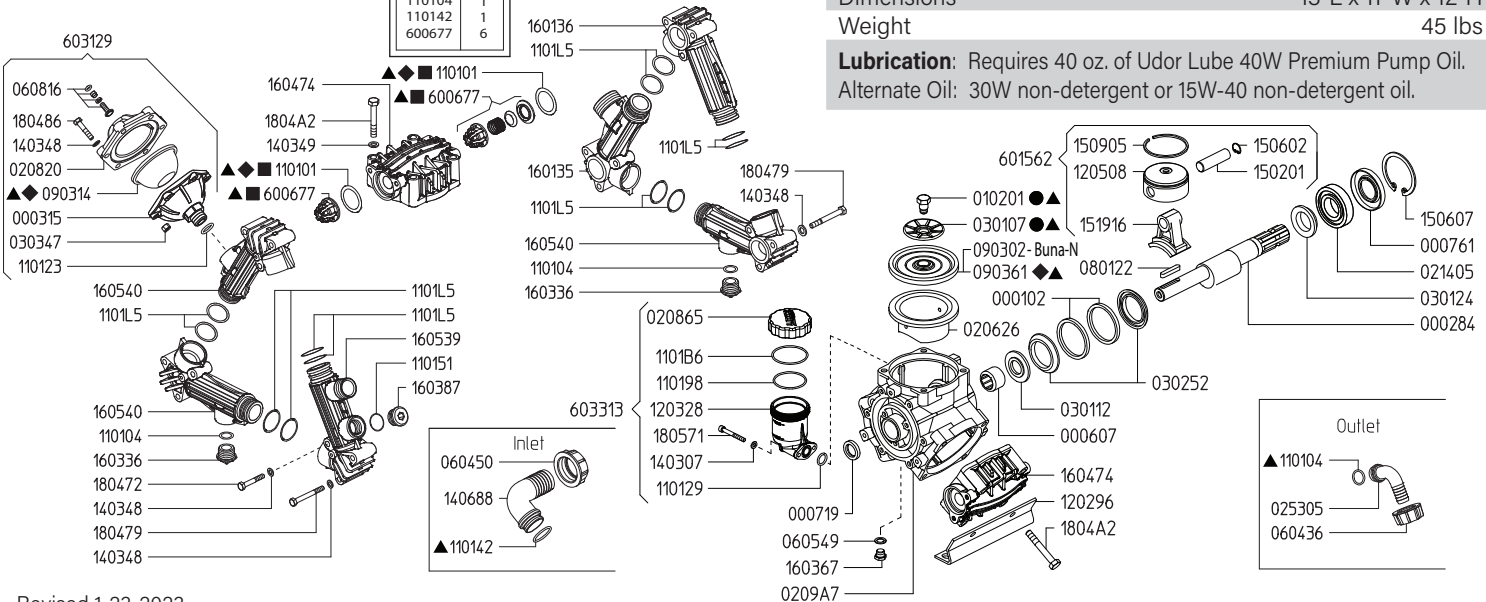


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Part #	Description	Qty	Part #	Description	Qty
0001.02	RETAINER RING	2	1403.07	WASHER M6	2
0002.63	CRANKSHAFT	1	1403.48	WASHER M8	24
0003.15	ACCUMULATOR BASE	1	1403.49	WASHER M10	8
0006.07	BEARING D25	1	1406.88	HOSE BARB - SUCTION 1-1/2"	1
0007.61	OIL SEAL D35	1	1502.01	PIN D18X64	3
0102.01	DIAPHRAGM BOLT ●▲	3	1506.02	SNAP RING D18	3
0206.26	SLEEVE D75	3	1506.07	SNAP RING D72	1
0208.20	ACCUMULATOR COVER	1	1509.05	PISTON RING D75	3
0208.65	OIL RESERVIOR CAP	1	1519.16	CONNECTING ROD	3
0209.A6	CRANKCASE	1	1601.35	SUCTION MANIFOLD G1"1/2 M	1
0214.05	BALL BEARING D35	1	1601.36	INLET-OUTLET MANIFOLD	1
0253.05	HOSE BARB D20	1	1603.36	PLUG G3/4	2
0301.07	DIAPHRAGM WASHER ●▲	3	1603.67	PLUG G1/4	1
0301.12	BEARING DISC - D25	1	1603.87	PLUG G3/4	1
0301.24	BEARING DISC - D35	1	1604.74	HEAD	3
0302.52	ROD SPACER	2	1605.39	MANIFOLD G1" M - G3/4 F	1
0303.47	HEX NUT M8X8	6	1605.40	INLET-OUTLET MANIFOLD G3/4 F	3
0604.36	BARB NUT G1"	1	1804.72	HEX BOLT M8X50	6
0604.50	BARB NUT G1-1/2"	1	1804.79	HEX BOLT M8X70	12
0605.49	GASKET D13	1	1804.86	HEX BOLT M8X40	6
0608.16	AIR VALVE ASSEMBLY	1	1804.A2	HEX BOLT M10X75	12
0903.02	PISTON DIAPHRAGM - BUNA-N 116MM	3	1805.71	ALLEN BOLT M6X50	2
0903.14	ACCUMULATOR DIAPHRAGM ◆▲	1	6006.77	VALVE ASSEMBLY W/O O-RING ■▲	6
0903.61	PISTON DIAPHRAGM - GREENTECH 116MM ◆▲	3	6015.62	ROD ASSEMBLY - D75 PISTON	3
1101.01	O-RING - VALVE ◆◆▲	6	6031.29	ACCUMULATOR ASSEMBLY	1
1101.04	O-RING - DISCHARGE BARB	3	6033.13	OIL RESERVIOR ASSEMBLY	1
1101.23	O-RING - ACCUMULATOR	1	6062.16	DIAPHRAGM BOLT & WASHER (KIT 515)	1
1101.29	O-RING - OIL RESERVIOR	1	6062.D7	IN/OUTLET VALVE KIT (KIT 640)	1
1101.42	O-RING - INLET BARB	1	6062.H2	DIAPHRAGM KIT - GREENTECH (KIT 670)	1
1101.51	O-RING - PLUG	1	8700.04CK	COMPLETE REPAIR KIT	1
1101.98	O-RING - OIL RESERVIOR	1			
1101.B6	O-RING - OIL RESERVIOR	1			
1101.L5	O-RING - MANIFOLD TUBES	12			
1202.96	RAIL	2			
1203.28	OIL RESERVIOR	1			
1205.08	ALUMINIUM PISTON D75	3			

- Parts in 6062.16 (Kit 515)
- Parts in 6062.D7 (Kit 640)
- ◆ Parts in 6062.H2 (Kit 670)
- ▲ Parts in 8700.04CK

606216 KIT 515		6062D7 KIT 640		6062H2 KIT 670		8700.04CK	
CODE	QTY	CODE	QTY	CODE	QTY	CODE	QTY
010201	3	110101	6	090314	1	010201	3
030107	3	600677	6	090361	3	030107	3
				110101	6	090631	3
						110101	6
						110104	1
						110142	1
						600677	6



Maximum Flow	36.0 GPM / 135 lpm
Maximum Pressure	300 PSI / 20 bar
Maximum RPM	550 RPM
Inlet Port - Hose Barb	1-1/2" HB
Outlet Port - Hose Barb	3/4" HB
Bypass - Hose Barb	-
Dimensions	13"L x 11"W x 12"H
Weight	45 lbs

Lubrication: Requires 40 oz. of Udor Lube 40W Premium Pump Oil.
Alternate Oil: 30W non-detergent or 15W-40 non-detergent oil.

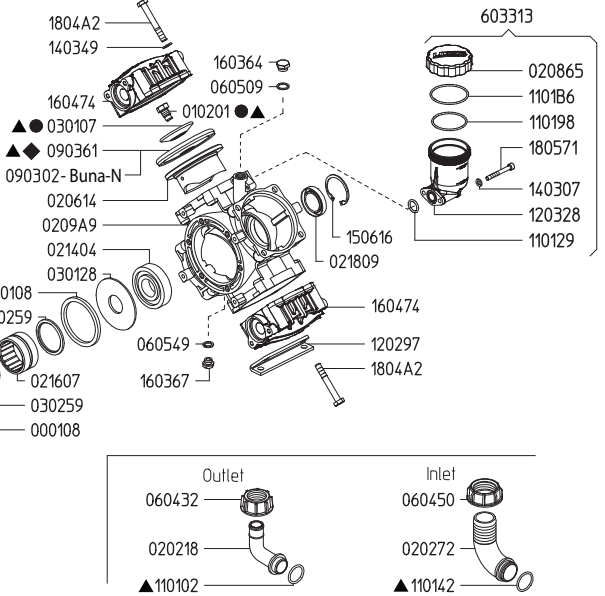
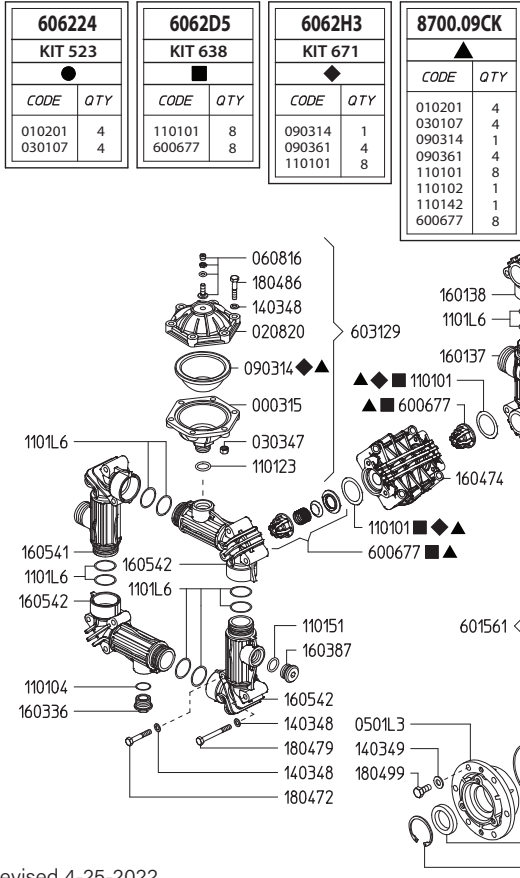
Revised 1-23-2023

Part #	Description	Qty	Part #	Description	Qty
0001.02	RETAINER RING	2	1205.08	ALUMINIUM PISTON D75	3
0002.84	CRANKSHAFT - TS1C	1	1403.07	WASHER M6	2
0003.15	ACCUMULATOR BASE	1	1403.48	WASHER M8	24
0006.07	BEARING D25	1	1403.49	WASHER M10	8
0007.19	OIL SEAL D25	1	1406.88	HOSE BARB - SUCTION 1-1/2"	1
0007.61	OIL SEAL D35	1	1502.01	PIN D18X64	3
0102.01	DIAPHRAGM BOLT ●▲	3	1506.02	SNAP RING D18	3
0206.26	SLEEVE D75	3	1506.07	SNAP RING D72	1
0208.20	ACCUMULATOR COVER	1	1509.05	PISTON RING D75	3
0208.65	OIL RESERVIOR CAP	1	1519.16	CONNECTING ROD	3
0209.A7	CRANKCASE	1	1601.35	SUCTION MANIFOLD G1"1/2 M	1
0214.05	BALL BEARING D35	1	1601.36	INLET-OUTLET MANIFOLD	1
0253.05	HOSE BARB D20	1	1603.36	PLUG G3/4	2
0301.07	DIAPHRAGM WASHER ●▲	3	1603.67	PLUG G1/4	1
0301.12	BEARING DISC - D25	1	1603.87	PLUG G3/4	1
0301.24	BEARING DISC - D35	1	1604.74	HEAD	3
0302.52	ROD SPACER	2	1605.39	MANIFOLD G1" M - G3/4 F	1
0303.47	HEX NUT M8X8	6	1605.40	INLET-OUTLET MANIFOLD G3/4 F	3
0604.36	BARB NUT G1"	1	1804.72	HEX BOLT M8X50	6
0604.50	BARB NUT G1-1/2"	1	1804.79	HEX BOLT M8X70	12
0605.49	GASKET D13	1	1804.86	HEX BOLT M8X40	6
0608.16	AIR VALVE ASSEMBLY	1	1804.A2	HEX BOLT M10X75	12
0801.22	KEY A8X7X45 UNI6604-69	1	1805.71	ALLEN BOLT M6X50	2
0903.02	PISTON DIAPHRAGM - BUNA-N 116MM	3	6006.77	VALVE ASSEMBLY W/O O-RING ■▲	6
0903.14	ACCUMULATOR DIAPHRAGM ◆▲	1	6015.62	ROD ASSEMBLY - D75 PISTON	3
0903.61	PISTON DIAPHRAGM - GREENTECH 116MM ◆▲	3	6031.29	ACCUMULATOR ASSEMBLY	1
1101.01	O-RING - VALVE ■◆▲	6	6033.13	OIL RESERVIOR ASSEMBLY	1
1101.04	O-RING - DISCHARGE BARB	3	6062.16	DIAPHRAGM BOLT & WASHER (KIT 515)	1
1101.23	O-RING - ACCUMULATOR	1	6062.D7	IN/OUTLET VALVE KIT (KIT 640)	1
1101.29	O-RING - OIL RESERVIOR	1	6062.H2	DIAPHRAGM KIT - GREENTECH (KIT 670)	1
1101.42	O-RING - INLET BARB	1	8700.04CK	COMPLETE REPAIR KIT	1
1101.51	O-RING - PLUG	1			
1101.98	O-RING - OIL RESERVIOR	1			
1101.B6	O-RING - OIL RESERVIOR	1			
1101.L5	O-RING - MANIFOLD TUBES	12			
1202.96	RAIL	2			
1203.28	OIL RESERVIOR	1			

- Parts in 6062.16 (Kit 515)
- Parts in 6062.D7 (Kit 640)
- ◆ Parts in 6062.H2 (Kit 670)
- ▲ Parts in 8700.04CK

Maximum Flow	45.0 GPM / 170 lpm
Maximum Pressure	300 PSI / 20 bar
Maximum RPM	550 RPM
Inlet Port - Hose Barb	1-1/2" HB
Outlet Port - Hose Barb	1" HB
Bypass - Hose Barb	-
Dimensions	15.5"L x 12.5"W x 17.5"H
Weight	58 lbs

Lubrication: Requires 44 oz. of Udor Lube 40W Premium Pump Oil.
 Alternate Oil: 30W non-detergent or 15W-40 non-detergent oil.



Revised 4-25-2022

Part #	Description	Qty
0001.08	RETAINER RING	1
0002.46	CRANKSHAFT	1
0003.15	ACCUMULATOR BASE	1
0007.49	OIL SEAL D35	1
0102.01	DIAPHRAGM BOLT ●▲	4
0202.18	HOSE BARB D25	1
0202.72	HOSE BARB D40	1
0206.14	SLEEVE D75	4
0208.20	ACCUMULATOR COVER	1
0208.65	OIL RESERVIOR CAP	1
0209.A9	CRANKCASE	1
0214.04	BALL BEARING D35	2
0216.07	ROLLER BEARING D55	1
0218.09	CAP D55X10	1
0301.07	DIAPHRAGM WASHER ●▲	4
0301.28	ROD DISC D35	2
0302.59	ROD DISC	2
0303.47	HEX NUT M8X8	6
0501.L3	BEARING FLANGE	1
0604.32	BARB NUT G1"1/4	1
0604.50	BARB NUT G1-1/2"	1
0605.09	GASKET D17	1
0605.49	GASKET D13	1
0608.16	AIR VALVE ASSEMBLY	1
0903.02	PISTON DIAPHRAGM - BUNA-N 116MM	4
0903.14	ACCUMULATOR DIAPHRAGM ◆▲	1
0903.61	PISTON DIAPHRAGM - GREENTECH 116MM ◆▲	4
1101.01	O-RING - VALVE ◆◆▲	8
1101.02	O-RING - DISCHARGE BARB▲	1
1101.04	O-RING - DRAIN PLUG	2
1101.23	O-RING - PRESSURE ACCUMULATOR	1
1101.29	O-RING - OIL RESERVIOR	1
1101.42	O-RING - INLET BARB▲	1
1101.51	O-RING - PLUG	1
1101.58	O-RING - BODY FLANGE	1
1101.98	O-RING - OIL RESERVIOR	1
1101.B6	O-RING - OIL RESERVIOR	1
1101.L6	O-RING - MAINFOLD TUBE	16

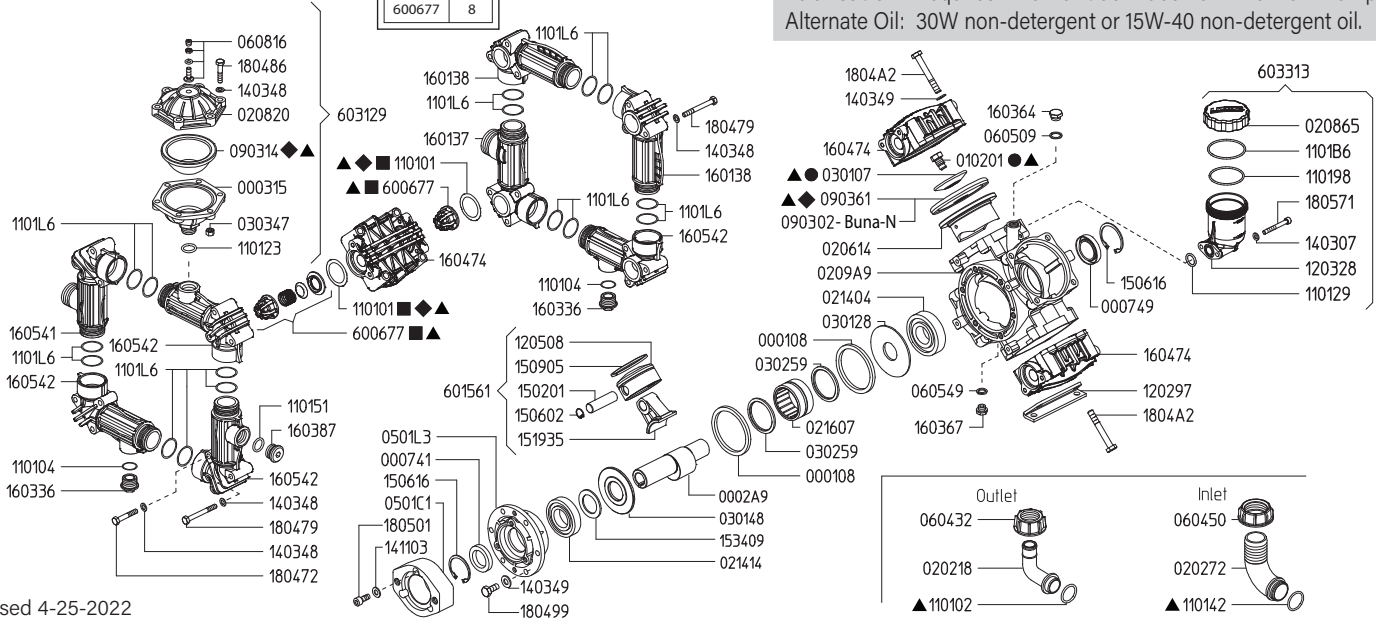
Part #	Description	Qty
1202.97	RAIL	2
1203.28	OIL RESERVIOR	1
1205.08	ALUMINIUM PISTON D75	4
1403.07	WASHER M6	2
1403.48	WASHER M8	30
1403.49	WASHER M10	18
1502.01	PIN D18X64	4
1506.02	SNAP RING D18	4
1506.16	SNAP RING D55	2
1509.05	PISTON RING D75	4
1519.35	CONNECTING ROD	4
1601.37	SUCTION MANIFOLD G1"1/2 M	1
1601.38	INLET-OUTLET MANIFOLD	2
1603.36	PLUG G3/4	2
1603.64	PLUG G3/8	1
1603.67	PLUG G1/4	1
1603.87	PLUG G3/4	1
1604.74	HEAD	4
1605.41	OUTLET MANIFOLD G1"1/4 M	1
1605.42	INLET-OUTLET MANIFOLD G3/4 F	4
1804.72	HEX BOLT M8X50	8
1804.79	HEX BOLT M8X70	16
1804.86	HEX BOLT M8X40	6
1804.99	HEX BOLT M10X25	6
1804.A2	HEX BOLT M10X75	16
1805.71	ALLEN BOLT M6X50	2
6006.77	VALVE ASSEMBLY W/O O-RING ■▲	8
6015.61	ROD ASSEMBLY D75 PISTON	4
6031.29	PRESSURE ACCUMULATOR ASSEMBLY	1
6033.13	OIL RESERVIOR ASSEMBLY	1
6062.24	DIAPHRAGM BOLT & WASHER (KIT 523)	1
6062.D5	IN/OUTLET VALVE KIT (KIT 638)	1
6062.H3	DIAPHRAGM KIT - GREENTECH (KIT 671)	1
8700.09CK	COMPLETE REPAIR KIT	1

- Parts in 6062.24 (Kit 523).
- Parts in 6062.D5 (Kit 638).
- ◆ Parts in 6062.H3 (Kit 671).
- ▲ Parts in KIT# 8700.09CK

Maximum Flow	45.0 GPM / 170 lpm
Maximum Pressure	300 PSI / 20 bar
Maximum RPM	540
Inlet Port - Hose Barb	1-1/2" HB
Outlet Port - Hose Barb	1" HB
Bypass - Hose Barb	-
Dimensions	15.5"L x 12.5"W x 17.5"H
Weight	58 lbs

Lubrication: Requires 44 oz. of Udor Lube 40W Premium Pump Oil.
 Alternate Oil: 30W non-detergent or 15W-40 non-detergent oil.

606224 KIT 523		6062D5 KIT 638		6062H3 KIT 671		8700.09CK	
CODE	QTY	CODE	QTY	CODE	QTY	CODE	QTY
010201	4	110101	8	090314	1	010201	4
030107	4	600677	8	090314	4	030107	4
				110101	8	090314	1
						090361	4
						110101	8
						110102	1
						110142	1
						600677	8



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Part #	Description	Qty
0001.08	RETAINER RING	1
0002.A9	CRANKSHAFT	1
0003.15	ACCUMULATOR BASE	1
0007.41	OIL SEAL D40	1
0102.01	DIAPHRAGM BOLT ●▲	4
0202.18	HOSE BARB D25	1
0202.72	HOSE BARB D40	1
0206.14	SLEEVE D75	4
0208.20	ACCUMULATOR COVER	1
0208.65	OIL RESERVIOR CAP	1
0209.A9	CRANKCASE	1
0214.04	BALL BEARING D35	1
0214.14	BALL BEARING D40	1
0216.07	ROLLER BEARING D55	1
0218.09	CAP D55X10	1
0301.07	DIAPHRAGM WASHER ●▲	4
0301.28	ROD DISC D35	1
0301.48	ROD DISC	1
0302.59	ROD DISC	1
0303.47	HEX NUT M8X8	6
0501.C1	FLANGE - HYD	1
0501.L3	BEARING FLANGE	1
0604.32	BARB NUT G1"1/4	1
0604.50	BARB NUT G1-1/2"	1
0605.09	GASKET D17	1
0605.49	GASKET D13	1
0608.16	AIR VALVE ASSEMBLY	1
0903.02	PISTON DIAPHRAGM - BUNA-N 116MM	4
0903.14	ACCUMULATOR DIAPHRAGM ◆▲	1
0903.61	PISTON DIAPHRAGM - GREENTECH 116MM ◆▲	4
1101.01	O-RING - VALVE ◆◆▲	8
1101.02	O-RING - DISCHARGE BARB▲	1
1101.04	O-RING - DRAIN PLUG	2
1101.23	O-RING - PRESSURE ACCUMULATOR	1
1101.29	O-RING - OIL RESERVIOR	1
1101.42	O-RING - INLET BARB▲	1
1101.51	O-RING - PLUG	1
1101.58	O-RING - BODY FLANGE	1
1101.98	O-RING - OIL RESERVIOR	1
1101.B6	O-RING - OIL RESERVIOR	1
1101.L6	O-RING - MAINFOLD TUBE	16
1202.97	RAIL	2

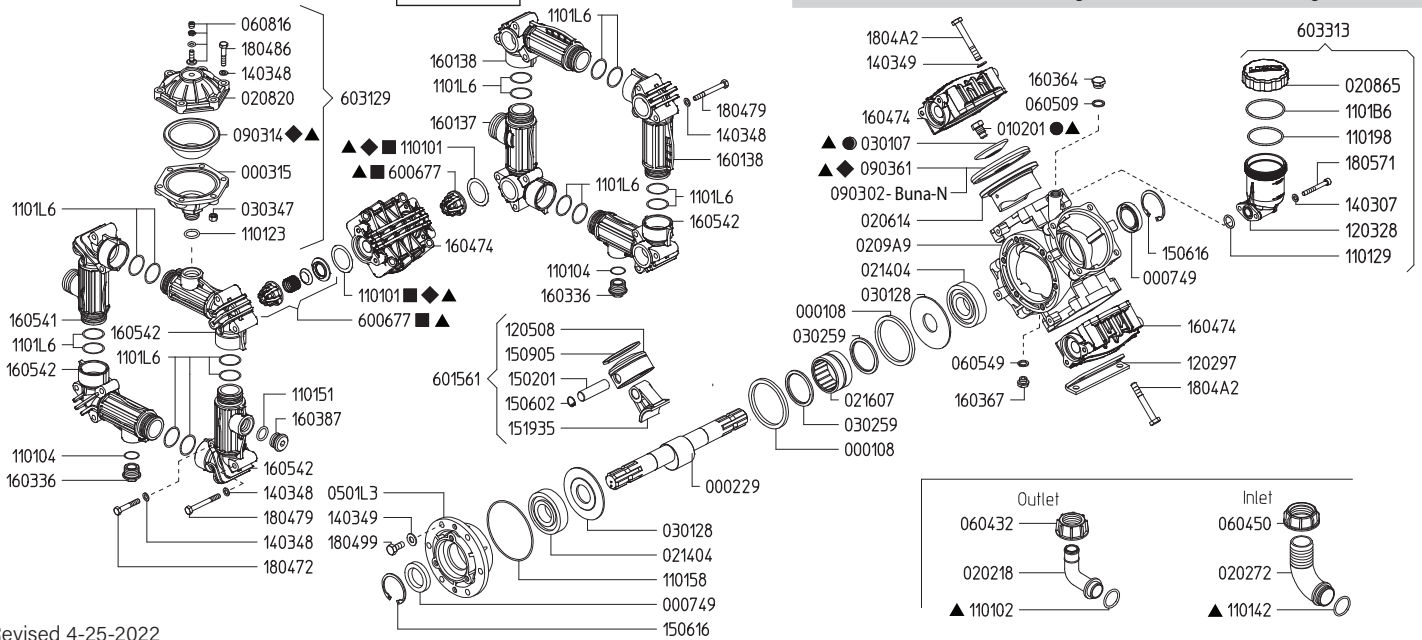
Part #	Description	Qty
1203.28	OIL RESERVIOR	1
1205.08	ALUMINIUM PISTON D75	4
1403.07	WASHER M6	2
1403.48	WASHER M8	30
1403.49	WASHER M10	18
1411.03	SERATED WASHER M10	3
1502.01	PIN D18X64	4
1506.02	SNAP RING D18	4
1506.16	SNAP RING D55	2
1509.05	PISTON RING D75	4
1519.35	CONNECTING ROD	4
1534.09	DISC - MI	1
1601.37	SUCTION MANIFOLD G1"1/2 M	1
1601.38	INLET-OUTLET MANIFOLD	2
1603.36	PLUG G3/4	2
1603.64	PLUG G3/8	1
1603.67	PLUG G1/4	1
1603.87	PLUG G3/4	1
1604.74	HEAD	4
1605.41	OUTLET MANIFOLD G1"1/4 M	1
1605.42	INLET-OUTLET MANIFOLD G3/4 F	4
1804.72	HEX BOLT M8X50	8
1804.79	HEX BOLT M8X70	16
1804.86	HEX BOLT M8X40	6
1804.99	HEX BOLT M10X25	6
1804.A2	HEX BOLT M10X75	16
1805.01	ALLEN BOLT M10X25	3
1805.71	ALLEN BOLT M6X50	2
6006.77	VALVE ASSEMBLY W/O O-RING ■▲	8
6015.61	ROD ASSEMBLY D75 PISTON	4
6031.29	PRESSURE ACCUMULATOR ASSEMBLY	1
6033.13	OIL RESERVIOR ASSEMBLY	1
6062.24	DIAPHRAGM BOLT & WASHER (KIT 523)	1
6062.D5	IN/OUTLET VALVE KIT (KIT 638)	1
6062.H3	DIAPHRAGM KIT - GREENTECH (KIT 671)	1
8700.09CK	COMPLETE REPAIR KIT	1

- Parts in 6062.24 (Kit 523).
- Parts in 6062.D5 (Kit 638).
- ◆ Parts in 6062.H3 (Kit 671).
- ▲ Parts in KIT# 8700.09CK

Maximum Flow	45.0 GPM / 170 lpm
Maximum Pressure	300 PSI / 20 bar
Maximum RPM	540
Inlet Port - Hose Barb	1-1/2" HB
Outlet Port - Hose Barb	1" HB
Bypass - Hose Barb	-
Dimensions	15.5"L x 12.5"W x 17.5"H
Weight	58 lbs

Lubrication: Requires 44 oz. of Udor Lube 40W Premium Pump Oil.
Alternate Oil: 30W non-detergent or 15W-40 non-detergent oil.

606224 KIT 523		6062D5 KIT 638		6062H3 KIT 671		8700.09CK	
CODE	QTY	CODE	QTY	CODE	QTY	CODE	QTY
010201	4	110101	8	090314	1	010201	4
030107	4	600677	8	090361	4	030107	4
				110101	8	090314	1
						090361	4
						110101	8
						110102	1
						110142	1
						600677	8



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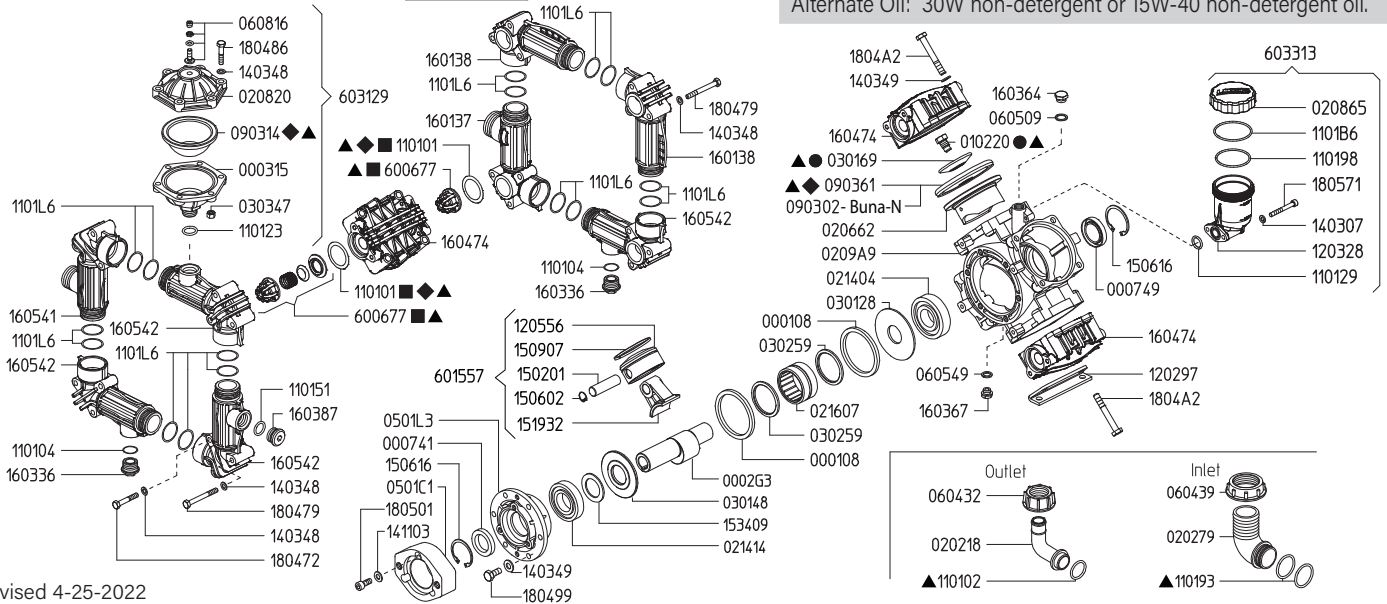
Part #	Description	Qty	Part #	Description	Qty
0001.08	RETAINER RING "ZETA 170/260"	1	1203.28	OIL RESERVIOR	1
0002.29	SHAFT "BETA/ZETA 170/260" TS 2C	1	1205.08	ALUMINIUM PISTON D75	4
0003.15	PRESSURE ACCUMULATOR "ZETA"	1	1403.07	WASHER M6	2
0007.49	OIL SEAL D35	2	1403.48	WASHER M8	30
0102.01	DIAPHRAGM BOLT "ZETA/KAPPA 121" ●	4	1403.49	WASHER M10	18
0202.18	HOSE BARB D25	1	1502.01	PIN D18X64	4
0202.72	HOSE BARB D40	1	1506.02	SNAP RING D18	4
0206.14	SLEEVE D75 "ZETA 120/170/260"	4	1506.16	SNAP RING D55	2
0208.20	ACCUMULATOR COVER "ZETA"	1	1509.05	PISTON RING D75	4
0208.65	OIL RESERVIOR COVER - GREEN	1	1519.35	CONNECTING ROD	4
0209.A9	CRANKCASE "ZETA 170/200" TS	1	1601.37	SUCTION MANIFOLD G1"1/2 M	1
0214.04	BALL BEARING D35	2	1601.38	INLET-OUTLET MANIFOLD	2
0216.07	ROLLER BEARING D55	1	1603.36	PLUG G3/4	2
0301.07	DIAPHRAGM WASHER ●▲	4	1603.64	PLUG G3/8	1
0301.28	ROD DISC D35	2	1603.67	PLUG G1/4	1
0302.59	ROD DISC	1	1603.87	PLUG G3/4	1
0303.47	HEX NUT M8X8	6	1604.74	HEAD	4
0501.L3	BEARING FLANGE	1	1605.41	OUTLET MANIFOLD G1"1/4 M	1
0604.32	BARB NUT G1"1/4	1	1605.42	INLET-OUTLET MANIFOLD G3/4 F	4
0604.50	BARB NUT G1-1/2"	1	1804.72	HEX BOLT M8X50	8
0605.09	GASKET D17	1	1804.79	HEX BOLT M8X70	16
0605.49	GASKET D13	1	1804.86	HEX BOLT M8X40	6
0608.16	AIR VALVE ASSEMBLY	1	1804.99	HEX BOLT M10X25	6
0903.02	PISTON DIAPHRAGM - BUNA-N 116MM	4	1804.A2	HEX BOLT M10X75	16
0903.14	ACCUMULATOR DIAPHRAGM ◆▲	1	1805.71	ALLEN BOLT M6X50	2
0903.61	PISTON DIAPHRAGM - GREENTECH 116MM◆▲	4	6006.77	VALVE ASSEMBLY W/O O-RING ■▲	8
1101.01	O-RING - VALVE◆■▲	8	6015.61	ROD ASSEMBLY D75 PISTON	4
1101.02	O-RING - DISCHARGE BARB▲	1	6031.29	PRESSURE ACCUMULATOR ASSEMBLY	1
1101.04	O-RING - DRAIN PLUG	2	6033.13	OIL RESERVIOR ASSEMBLY	1
1101.23	O-RING - PRESSURE ACCUMULATOR	1	6062.24	DIAPHRAGM BOLT & WASHER (KIT 523)	1
1101.29	O-RING - OIL RESERVIOR	1	6062.D5	IN/OUTLET VALVE KIT (KIT 638)	1
1101.42	O-RING - INLET BARB▲	1	6062.H3	DIAPHRAGM KIT - GREENTECH (KIT 671)	1
1101.51	O-RING - PLUG	1	8700.09CK	COMPLETE REPAIR KIT	1
1101.58	O-RING - BODY FLANGE	1			
1101.98	O-RING - OIL RESERVIOR	1			
1101.B6	O-RING - OIL RESERVIOR	1			
1101.L6	O-RING - MAINFOLD TUBE	16			
1202.97	RAIL	2			

- Parts in 6062.24 (Kit 523).
- Parts in 6062.D5 (Kit 638).
- ◆ Parts in 6062.H3 (Kit 671).
- ▲ Parts in KIT# 8700.09CK

Maximum Flow	53.0 GPM / 198 lpm
Maximum Pressure	300 PSI / 20 bar
Maximum RPM	550
Inlet Port - Hose Barb	2" HB
Outlet Port - Hose Barb	1" HB
Bypass - Hose Barb	-
Dimensions	15.5"L x 12.5"W x 17.5"H
Weight	58 lbs

Lubrication: Requires 44 oz. of Udor Lube 40W Premium Pump Oil.
Alternate Oil: 30W non-detergent or 15W-40 non-detergent oil.

6062D6 KIT 639		6062D5 KIT 638		6062H3 KIT 671		8700.41CK	
CODE	QTY	CODE	QTY	CODE	QTY	CODE	QTY
010220	4	110101	8	090314	1	010220	4
030169	4	600677	8	090361	4	030169	4
				110101	8	090314	1
				110101	8	090361	4
				110102	1	110101	8
				110193	2	110193	2
				600677	8	600677	8



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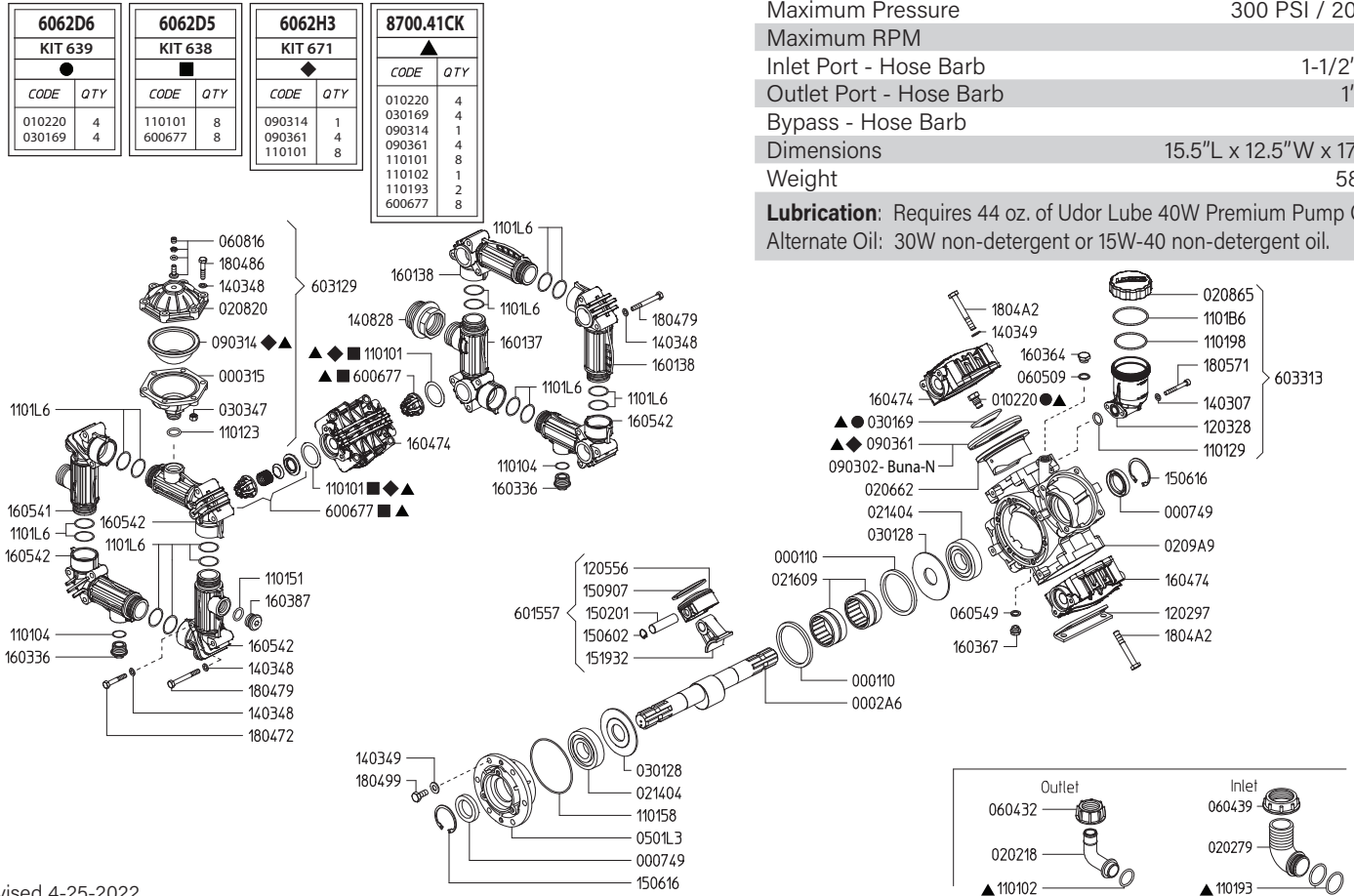
Part #	Description	Qty
0001.08	RETAINER RING	1
0002.G3	CRANKSHAFT	1
0003.15	ACCUMULATOR BASE	1
0007.41	OIL SEAL D40	1
0102.20	DIAPHRAGM BOLT ●▲	4
0202.18	HOSE BARB D25	1
0202.79	HOSE BARB D50	1
0206.62	SLEEVE D85	4
0208.20	ACCUMULATOR COVER	1
0208.65	OIL RESERVIOR CAP	1
0209.A9	CRANKCASE	1
0214.04	BALL BEARING D35	1
0214.14	BALL BEARING D40	1
0216.07	ROLLER BEARING D55	1
0218.09	CAP D55X10	1
0301.69	DIAPHRAGM WASHER ●▲	4
0301.28	ROD DISC D35	1
0301.48	ROD DISC	1
0302.59	ROD DISC	1
0303.47	HEX NUT M8X8	6
0501.C1	FLANGE - HYD	1
0501.L3	BEARING FLANGE	1
0604.32	BARB NUT G1"1/4	1
0604.50	BARB NUT G1-1/2"	1
0605.09	GASKET D17	1
0605.49	GASKET D13	1
0608.16	AIR VALVE ASSEMBLY	1
0903.02	PISTON DIAPHRAGM - BUNA-N 116MM	4
0903.14	ACCUMULATOR DIAPHRAGM ◆▲	1
0903.61	PISTON DIAPHRAGM - GREENTECH 116MM ◆▲	4
1101.01	O-RING - VALVE◆■▲	8
1101.02	O-RING - DISCHARGE BARB▲	1
1101.04	O-RING - DRAIN PLUG	2
1101.23	O-RING - PRESSURE ACCUMULATOR	1
1101.29	O-RING - OIL RESERVIOR	1
1101.51	O-RING - PLUG	1
1101.58	O-RING - BODY FLANGE	1
1101.93	O-RING - INLET BARB▲	2
1101.98	O-RING - OIL RESERVIOR	1
1101.B6	O-RING - OIL RESERVIOR	1
1101.L6	O-RING - MAINFOLD TUBE	16
1202.97	RAIL	2

Part #	Description	Qty
1203.28	OIL RESERVIOR	1
1205.56	ALUMINIUM PISTON D80	4
1403.07	WASHER M6	2
1403.48	WASHER M8	30
1403.49	WASHER M10	18
1411.03	SERATED WASHER M10	3
1502.01	PIN D18X64	4
1506.02	SNAP RING D18	4
1506.16	SNAP RING D55	2
1509.07	PISTON RING D80	4
1519.32	CONNECTING ROD	4
1534.09	DISC - MI	1
1601.37	SUCTION MANIFOLD G1"1/2 M	1
1601.38	INLET-OUTLET MANIFOLD	2
1603.36	PLUG G3/4	2
1603.64	PLUG G3/8	1
1603.67	PLUG G1/4	1
1603.87	PLUG G3/4	1
1604.74	HEAD	4
1605.41	OUTLET MANIFOLD G1"1/4 M	1
1605.42	INLET-OUTLET MANIFOLD G3/4 F	4
1804.72	HEX BOLT M8X50	8
1804.79	HEX BOLT M8X70	16
1804.86	HEX BOLT M8X40	6
1804.99	HEX BOLT M10X25	6
1804.A2	HEX BOLT M10X75	16
1805.01	ALLEN BOLT M10X25	3
1805.71	ALLEN BOLT M6X50	2
6006.77	VALVE ASSEMBLY W/O O-RING ■▲	8
6015.57	ROD ASSEMBLY D80 PISTON	4
6031.29	PRESSURE ACCUMULATOR ASSEMBLY	1
6033.13	OIL RESERVIOR ASSEMBLY	1
6062.D5	IN/OUTLET VALVE KIT (KIT 638)	1
6062.D6	DIAPHRAGM BOLT & WASHER (KIT 639)	1
6062.H3	DIAPHRAGM KIT - GREENTECH (KIT 671)	1
8700.41CK	COMPLETE REPAIR KIT	1

- Parts in 6062.D5 (Kit 638).
- Parts in 6062.D6 (Kit 639).
- ◆ Parts in 6062.H3 (Kit 671).
- ▲ Parts in KIT# 8700.41CK

Maximum Flow	53.0 GPM / 198 lpm
Maximum Pressure	300 PSI / 20 bar
Maximum RPM	550
Inlet Port - Hose Barb	1-1/2" HB
Outlet Port - Hose Barb	1" HB
Bypass - Hose Barb	-
Dimensions	15.5"L x 12.5"W x 17.5"H
Weight	58 lbs

Lubrication: Requires 44 oz. of Udor Lube 40W Premium Pump Oil.
Alternate Oil: 30W non-detergent or 15W-40 non-detergent oil.



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Part #	Description	Qty
0001.08	RETAINER RING	1
0002.A6	CRANKSHAFT TS 2C	1
0003.15	ACCUMULATOR BASE	1
0007.49	OIL SEAL D35	2
0102.20	DIAPHRAGM BOLT ●▲	4
0202.18	HOSE BARB D25	1
0202.79	HOSE BARB D50	1
0206.62	SLEEVE D80	4
0208.20	ACCUMULATOR COVER	1
0208.65	OIL RESERVIOR CAP	1
0209.A9	CRANKCASE	1
0214.04	BALL BEARING D35	2
0301.69	DIAPHRAGM WASHER ●▲	4
0301.28	ROD DISC D35	2
0302.59	ROD DISC	1
0303.47	HEX NUT M8X8	6
0501.L3	BEARING FLANGE "ZETA 170...300"	1
0604.32	BARB NUT G1"1/4	1
0604.50	BARB NUT G1-1/2"	1
0605.09	GASKET D17	1
0605.49	GASKET D13	1
0608.16	AIR VALVE ASSEMBLY	1
0903.02	PISTON DIAPHRAGM - BUNA-N 116MM	4
0903.14	DIAPHRAGM WASHER ●▲	1
0903.61	PISTON DIAPHRAGM - GREENTECH 116MM ◆▲	4
1101.01	O-RING - VALVE◆■▲	8
1101.02	O-RING - DISCHARGE BARB▲	1
1101.04	O-RING - DRAIN PLUG	2
1101.23	O-RING - PRESSURE ACCUMULATOR	1
1101.29	O-RING - OIL RESERVIOR	1
1101.51	O-RING - PLUG	1
1101.58	O-RING - BODY FLANGE	1
1101.93	O-RING - INLET BARB▲	2
1101.98	O-RING - OIL RESERVIOR	1
1101.B6	O-RING - OIL RESERVIOR	1
1101.L6	O-RING - MAINFOLD TUBE	16
1202.97	BASE PLATE	2

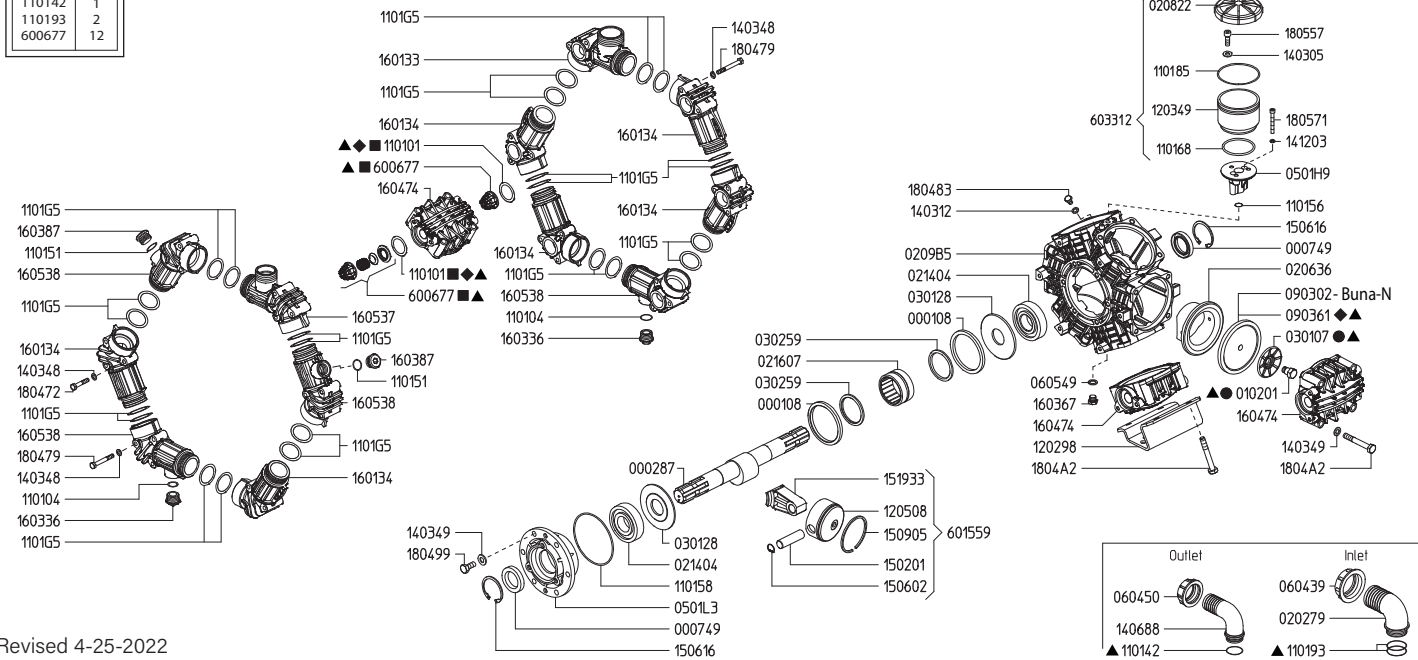
Part #	Description	Qty
1203.28	OIL RESERVIOR	1
1205.56	ALUMINIUM PISTON D80	4
1403.07	WASHER M6	2
1403.48	WASHER M8	30
1403.49	WASHER M10	18
1502.01	PIN D18X64	4
1506.02	SNAP RING D18	4
1506.16	SNAP RING D55	2
1509.07	PISTON RING D80	4
1519.35	CONNECTING ROD	4
1601.37	SUCTION MANIFOLD G1"1/2 M	1
1601.38	INLET-OUTLET MANIFOLD	2
1603.36	PLUG G3/4	2
1603.64	PLUG G3/8	1
1603.67	PLUG G1/4	1
1603.87	PLUG G3/4	1
1604.74	HEAD	4
1605.41	OUTLET MANIFOLD G1"1/4 M	1
1605.42	INLET-OUTLET MANIFOLD G3/4 F	4
1804.72	HEX BOLT M8X50	8
1804.79	HEX BOLT M8X70	16
1804.86	HEX BOLT M8X40	6
1804.99	HEX BOLT M10X25	6
1804.A2	HEX BOLT M10X75	16
1805.71	ALLEN BOLT M6X50	2
6006.77	VALVE ASSEMBLY W/O O-RING ■▲	8
6015.57	ROD ASSEMBLY D80 PISTON	4
6031.29	PRESSURE ACCUMULATOR ASSEMBLY	1
6033.13	OIL RESERVOIR ASSEMBLY	1
6062.D5	IN/OUTLET VALVE KIT (KIT 638)	1
6062.D6	DIAPHRAGM BOLT & WASHER (KIT 639)	1
6062.H3	DIAPHRAGM KIT - GREENTECH (KIT 671)	1
8700.41CK	COMPLETE REPAIR KIT	1

- Parts in 6062.D5 (Kit 638).
- Parts in 6062.D6 (Kit 639).
- ◆ Parts in 6062.H3 (Kit 671).
- ▲ Parts in KIT# 8700.41CK

Maximum Flow	61.0 GPM / 238 lpm
Maximum Pressure	300 PSI / 20 bar
Maximum RPM	540
Inlet Port - Hose Barb	2" HB
Outlet Port - Hose Barb	1-1/2" HB
Bypass - Hose Barb	-
Dimensions	14.5"L x 15.5"W x 18.5"H
Weight	80 lbs

Lubrication: Requires 90 oz. of Udor Lube 40W Premium Pump Oil.
 Alternate Oil: 30W non-detergent or 15W-40 non-detergent oil.

8700.44CK		606228		6062D3		6062H4	
CODE	QTY	KIT 527		KIT 636		KIT 672	
010201	6	010201	6	110101	12	090361	6
030107	6	030107	6	600677	12	110101	12
090361	6						
110101	12						
110142	1						
110193	2						
600677	12						



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Part #	Description	Qty
0001.08	RETAINER RING	1
0002.87	CRANKSHAFT TS 2C	1
0007.49	OIL SEAL D35	2
0102.01	DIAPHRAGM BOLT ●▲	6
0202.79	INLET HOSE BARB D50	1
0206.36	SLEEVE D75	6
0208.22	OIL RESERVOIR CAP	1
0209.B5	CRANKCASE	1
0214.04	BALL BEARING D35	2
0216.07	ROLLER BEARING D55	1
0301.07	DIAPHRAGM WASHER ●▲	6
0301.28	ROD DISC	2
0302.59	BEARING DISC	2
0501.H9	OIL CUP SUPPORT FLANGE	1
0501.L3	BEARING FLANGE	1
0604.39	BARB NUT G2"	1
0604.50	BARB NUT G1-1/2"	1
0605.49	GASKET D13	1
0903.02	PISTON DIAPHRAGM - BUNA-N 116MM	6
0903.61	PISTON DIAPHRAGM - GREENTECH 116MM ◆▲	6
1101.01	O-RING - VALVE ◆◆▲	12
1101.04	O-RING - DRAIN PLUG	2
1101.42	O-RING - DISCHARGE BARB▲	1
1101.51	O-RING - PLUG	2
1101.56	O-RING - OIL RESERVIOR	1
1101.58	O-RING - BEARING FLANGE	1
1101.68	O-RING - OIL RESERVIOR	1
1101.85	O-RING - OIL RESERVIOR	1
1101.93	O-RING - INLET BARB▲	2
1101.G5	O-RING - MANIFOLD TUBE	24
1202.98	BASE PLATE "ZETA 230/260/300"	2
1203.49	OIL RESERVOIR	1
1205.08	ALUMINIUM PISTON D75	6
1403.05	WASHER M8	3
1403.12	GASKET D8.5	1

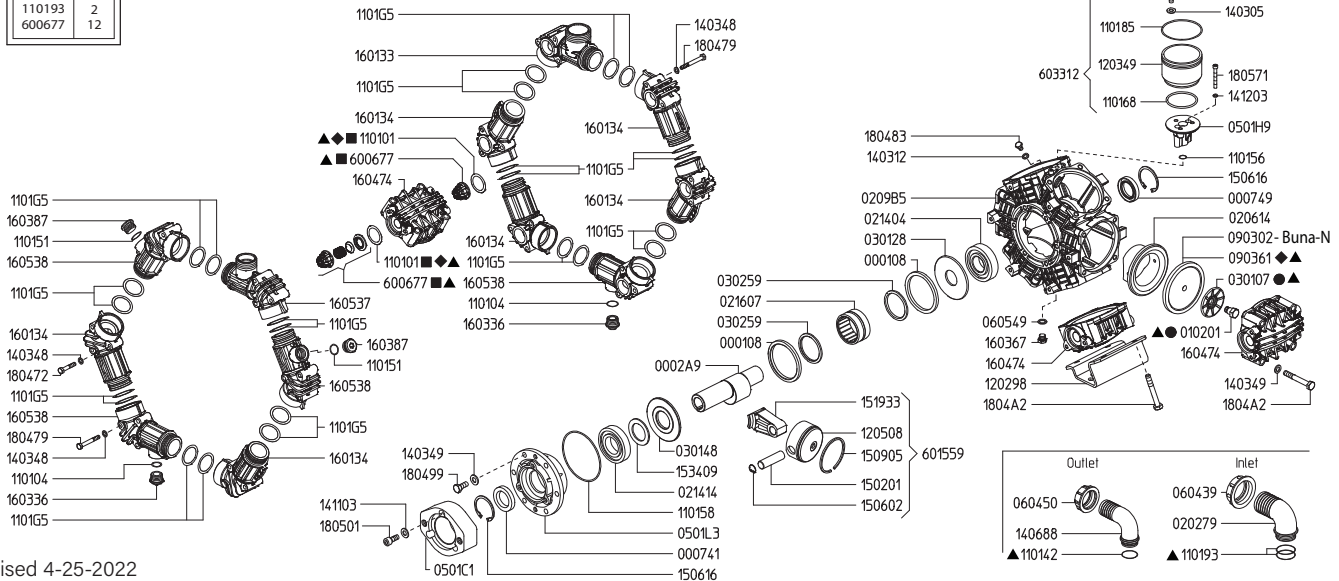
Part #	Description	Qty
1403.48	WASHER M8	36
1403.49	WASHER M10	26
1406.88	OUTLET HOSE BARB D38	1
1412.03	BONDED WASHER M6	2
1502.01	PIN D18X64	6
1506.02	SNAP RING D18	6
1506.16	SNAP RING D55	2
1509.05	PISTON RING D75	6
1519.33	CONNECTING ROD	6
1601.33	SUCTION MANIFOLD G2" M	1
1601.34	INLET-OUTLET MANIFOLD	6
1603.36	PLUG G3/4	2
1603.67	PLUG G1/4	1
1603.87	PLUG G3/4	2
1604.74	HEAD	6
1605.37	OUTLET MANIFOLD G1"1/2 M	1
1605.38	INLET-OUTLET MANIFOLD G3/4 F	4
1804.72	HEX BOLT M8X50	12
1804.79	HEX BOLT M8X70	24
1804.83	HEX BOLT M8X12	1
1804.99	HEX BOLT M10X25	6
1804.A2	HEX BOLT M10X75	24
1805.57	ALLEN BOLT M8X22	3
1805.71	ALLEN BOLT M6X50	2
6006.77	VALVE ASSEMBLY W/O O-RING ◆▲	12
6015.59	ROD ASSEMBLY - D75 PISTON	6
6033.12	OIL RESERVOIR ASSEMBLY	1
6062.28	DIAPHRAGM BOLT & WASHER (KIT 527)	1
6062.D3	IN/OUTLET VALVE KIT "ZETA 300" (KIT 636)	1
6062.H4	DIAPHTAGM KIT - GREENTECH (KIT 672)	1
8700.44CK	COMPLETE REPAIR KIT	1

- Parts in 6062.28 (Kit 527)
- ◆ Parts in 6062.D3 (Kit 636)
- ◆ Parts in 6062.H4 (Kit 672)
- ▲ Parts in Kit 8700.44CK

Maximum Flow	68.0 GPM / 256 lpm
Maximum Pressure	300 PSI / 20 bar
Maximum RPM	540
Inlet Port - Hose Barb	2" HB
Outlet Port - Hose Barb	1-1/2" HB
Bypass - Hose Barb	-
Dimensions	14.5"L x 15.5"W x 18.5"H
Weight	80 lbs

Lubrication: Requires 90 oz. of Udor Lube 40W Premium Pump Oil.
Alternate Oil: 30W non-detergent or 15W-40 non-detergent oil.

8700.44CK		606228 KIT 527		6062D3 KIT 636		6062H4 KIT 672	
CODE	QTY	CODE	QTY	CODE	QTY	CODE	QTY
010201	6	010201	6	110101	12	090361	6
030107	6	030107	6	600677	12	110101	12
090361	6						
110101	12						
110142	1						
110193	2						
600677	12						



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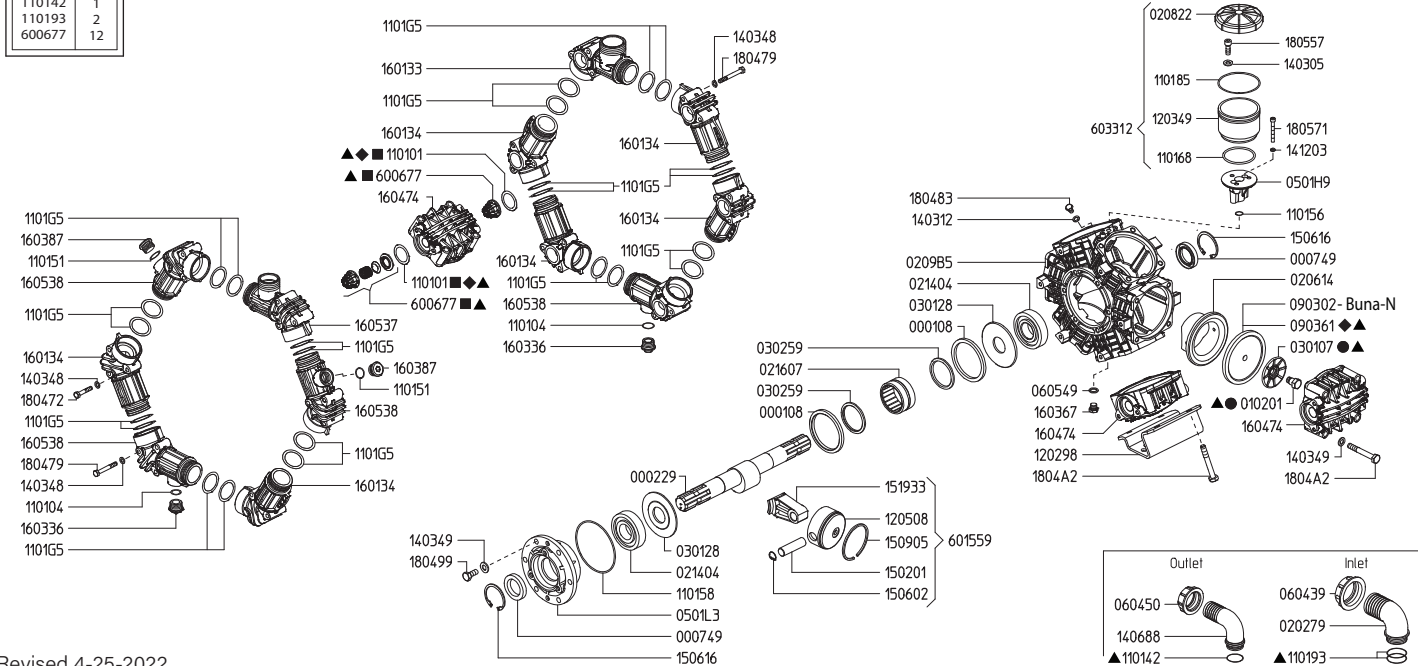
Part #	Description	Qty	Part #	Description	Qty
0001.08	RETAINER RING	1	1403.48	WASHER M8	36
0002.A9	SHAFT MI D1"	1	1403.49	WASHER M10	26
0007.41	OIL SEAL D40	1	1406.88	OUTLET HOSE BARB D38	1
0007.49	OIL SEAL D35	1	1411.03	SERATED WASHER M10	3
0102.01	DIAPHRAGM BOLT ●▲	6	1412.03	BONDED WASHER M6	2
0202.79	INLET HOSE BARB D50	1	1502.01	PIN D18X64	6
0206.14	SLEEVE D75	6	1506.02	SNAP RING D18	6
0208.22	OIL RESERVOIR CAP	1	1506.16	SNAP RING D55	2
0209.B5	CRANKCASE	1	1509.05	PISTON RING D75	6
0214.04	BALL BEARING D35	1	1519.33	CONNECTING ROD	6
0214.14	BALL BEARING D40	1	1534.09	DISC	1
0216.07	ROLLER BEARING D55	1	1601.33	SUCTION MANIFOLD G2"	1
0301.48	ROD DISC "ZETA 170/260" OMR80	2	1601.34	INLET-OUTLET MANIFOLD	6
0301.07	DIAPHRAGM WASHER ●▲	6	1603.36	PLUG G3/4	2
0302.59	ROD DISC	2	1603.67	PLUG G1/4	1
0501.C1	HYDRAULIC MOTOR FLANGE	1	1603.87	PLUG G3/4	2
0501.H9	OIL CUP SUPPORT FLANGE	1	1604.74	HEAD	6
0501.L3	BEARING FLANGE	1	1605.37	OUTLET MANIFOLD G1"1/2 M	1
0604.39	BARB NUT G2"	1	1605.38	INLET-OUTLET MANIFOLD G3/4 F	4
0604.50	BARB NUT G1-1/2"	1	1804.72	HEX BOLT M8X50	12
0605.49	GASKET D13	1	1804.79	HEX BOLT M8X70	24
0903.02	PISTON DIAPHRAGM - BUNA-N 116MM	6	1804.83	HEX BOLT M8X12	1
0903.61	PISTON DIAPHRAGM - GREENTECH 116MM ◆▲	6	1804.99	HEX BOLT M10X25	6
1101.01	O-RING - VALVE ◆◆▲	12	1804.A2	HEX BOLT M10X75	24
1101.04	O-RING - DRAIN PLUG	2	1805.01	ALLEN BOLT M10X25	3
1101.42	O-RING - DISCHARGE BARB▲	1	1805.57	ALLEN BOLT M8X22	3
1101.51	O-RING - PLUG	2	1805.71	ALLEN BOLT M6X50	2
1101.56	O-RING - OIL RESERVIOR	1	6006.77	VALVE ASSEMBLY W/O O-RING ◆▲	12
1101.58	O-RING - BEARING FLANGE	1	6015.59	ROD ASSEMBLY - D75 PISTON	6
1101.68	O-RING - OIL RESERVIOR	1	6033.12	OIL RESERVOIR ASSEMBLY	1
1101.85	O-RING - OIL RESERVIOR	1	6062.28	DIAPHRAGM BOLT & WASHER (KIT 527)	1
1101.93	O-RING - INLET BARB▲	2	6062.D3	IN/OUTLET VALVE KIT "ZETA 300" (KIT 636)	1
1101.G5	O-RING - MANIFOLD TUBE	24	6062.H4	DIAPHTAGM KIT - GREENTECH (KIT 672)	1
1202.98	BASE PLATE "ZETA 230/260/300"	2	8700.44CK	COMPLETE REPAIR KIT	1
1203.49	OIL RESERVOIR	1			
1205.08	ALUMINIUM PISTON D75	6			
1403.05	WASHER M8	1			
1403.12	GASKET D8.5	1			

- Parts in 6062.28 (Kit 527)
- ◆ Parts in 6062.D3 (Kit 636)
- ◆▲ Parts in 6062.H4 (Kit 672)
- ▲ Parts in Kit 8700.44CK

Maximum Flow	68.0 GPM / 256 lpm
Maximum Pressure	300 PSI / 20 bar
Maximum RPM	540
Inlet Port - Hose Barb	2" HB
Outlet Port - Hose Barb	1-1/2" HB
Bypass - Hose Barb	-
Dimensions	14.5" L x 15.5" W x 18.5" H
Weight	80 lbs

Lubrication: Requires 90 oz. of Udor Lube 40W Premium Pump Oil.
Alternate Oil: 30W non-detergent or 15W-40 non-detergent oil.

8700.44CK		606228 KIT 527		6062D3 KIT 636		6062H4 KIT 672	
CODE	QTY	CODE	QTY	CODE	QTY	CODE	QTY
010201	6	010201	6	110101	12	090361	6
030107	6	030107	6	600677	12	110101	12
090361	6						
110101	12						
110142	1						
110193	2						
600677	12						



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Part #	Description	Qty	Part #	Description	Qty
0001.08	RETAINER RING	1	1403.48	WASHER M8	36
0002.29	CRANKSHAFT TS 2C	1	1403.49	WASHER M10	26
0007.49	OIL SEAL D35	2	1406.88	OUTLET HOSE BARB D38	1
0102.01	DIAPHRAGM BOLT ●▲	6	1412.03	BONDED WASHER M6	2
0202.79	INLET HOSE BARB D50	1	1502.01	PIN D18X64	6
0206.14	SLEEVE D75	6	1506.02	SNAP RING D18	6
0208.22	OIL RESERVOIR CAP	1	1506.16	SNAP RING D55	2
0209.B5	CRANKCASE	1	1509.05	PISTON RING D75	6
0214.04	BALL BEARING D35	2	1519.33	CONNECTING ROD	6
0216.07	ROLLER BEARING D55	1	1601.33	SUCTION MANIFOLD G2" M	1
0301.07	DIAPHRAGM WASHER ●▲	6	1601.34	INLET-OUTLET MANIFOLD	6
0301.28	ROD DISC	2	1603.36	PLUG G3/4	2
0302.59	BEARING DISC	2	1603.67	PLUG G1/4	1
0501.H9	OIL CUP SUPPORT FLANGE	1	1603.87	PLUG G3/4	2
0501.L3	BEARING FLANGE	1	1604.74	HEAD	6
0604.39	BARB NUT G2"	1	1605.37	OUTLET MANIFOLD G1"1/2 M	1
0604.50	BARB NUT G1-1/2"	1	1605.38	INLET-OUTLET MANIFOLD G3/4 F	4
0605.49	GASKET D13	1	1804.72	HEX BOLT M8X50	12
0903.02	PISTON DIAPHRAGM - BUNA-N 116MM	6	1804.79	HEX BOLT M8X70	24
0903.61	PISTON DIAPHRAGM - GREENTECH 116MM ◆▲	6	1804.83	HEX BOLT M8X12	1
1101.01	O-RING - VALVE ◆◆▲	12	1804.99	HEX BOLT M10X25	6
1101.04	O-RING - DRAIN PLUG	2	1804.A2	HEX BOLT M10X75	24
1101.42	O-RING - DISCHARGE BARB ▲	1	1805.57	ALLEN BOLT M8X22	3
1101.51	O-RING - PLUG	2	1805.71	ALLEN BOLT M6X50	2
1101.56	O-RING - OIL RESERVIOR	1	6006.77	VALVE ASSEMBLY W/O O-RING ■▲	12
1101.58	O-RING - BEARING FLANGE	1	6015.59	ROD ASSEMBLY - D75 PISTON	6
1101.68	O-RING - OIL RESERVIOR	1	6033.12	OIL RESERVOIR ASSEMBLY	1
1101.85	O-RING - OIL RESERVIOR	1	6062.28	DIAPHRAGM BOLT & WASHER (KIT 527)	1
1101.93	O-RING - INLET BARB ▲	2	6062.D3	IN/OUTLET VALVE KIT "ZETA 300" (KIT 636)	1
1101.G5	O-RING - MANIFOLD TUBE	24	6062.H4	DIAPHTAGM KIT - GREENTECH (KIT 672)	1
1202.98	BASE PLATE "ZETA 230/260/300"	2	8700.44CK	COMPLETE REPAIR KIT	1
1203.49	OIL RESERVOIR	1			
1205.08	ALUMINIUM PISTON D75	6			
1403.05	WASHER M8	3			
1403.12	GASKET D8.5	1			

- Parts in 6062.28 (Kit 527)
- Parts in 6062.D3 (Kit 636)
- ◆ Parts in 6062.H4 (Kit 672)
- ▲ Parts in Kit 8700.44CK

8700.42CK	
CODE	QTY
010220	6
030169	6
090361	6
110101	12
110142	1
110193	2
600677	12

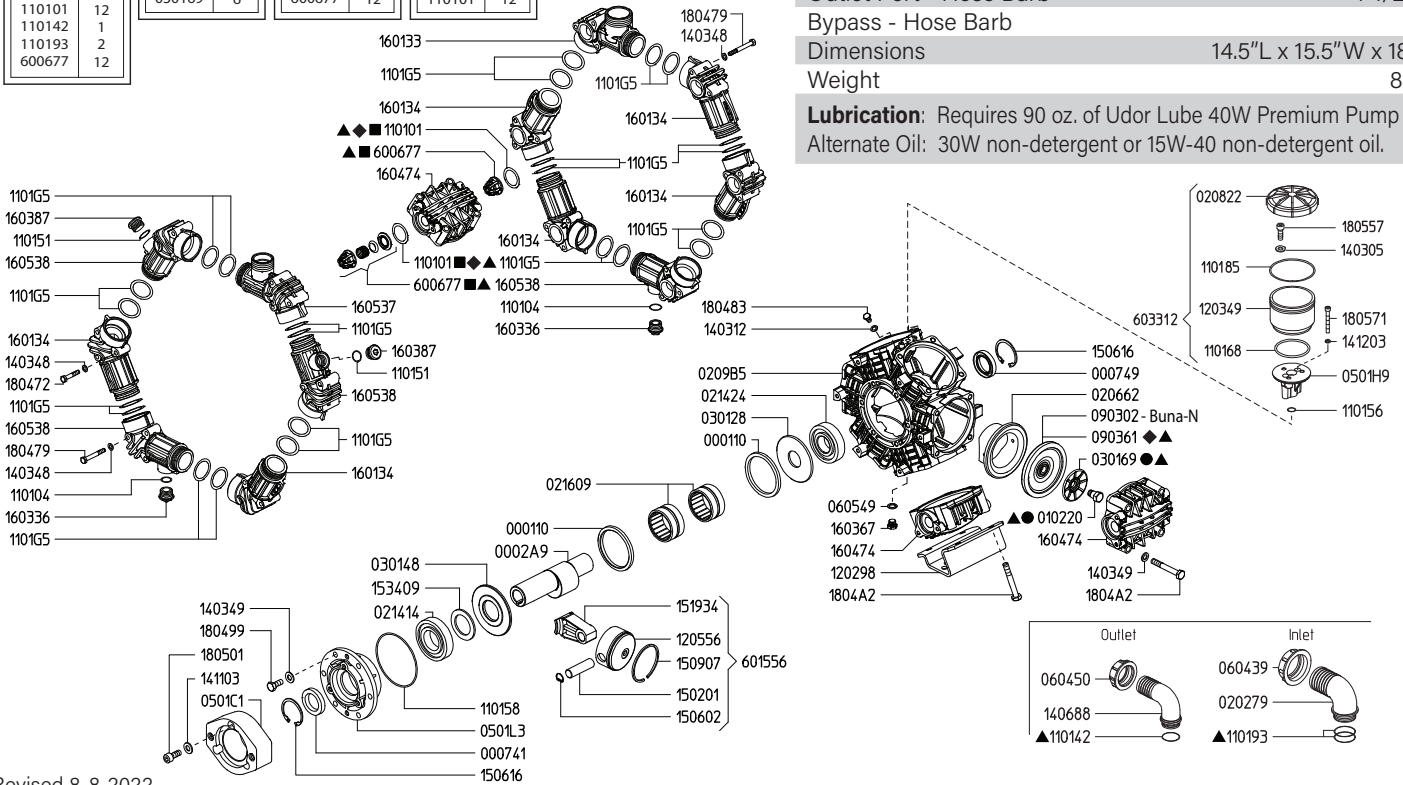
6062D4 KIT 637	
CODE	QTY
010220	6
030169	6

6062D3 KIT 636	
CODE	QTY
110101	12
600677	12

6062H4 KIT 672	
CODE	QTY
090361	6
110101	12

Maximum Flow	78.0 GPM / 295 lpm
Maximum Pressure	300 PSI / 20 bar
Maximum RPM	550 RPM
Inlet Port - Hose Barb	2" HB
Outlet Port - Hose Barb	1-1/2" HB
Bypass - Hose Barb	-
Dimensions	14.5"L x 15.5"W x 18.5"H
Weight	80 lbs

Lubrication: Requires 90 oz. of Udor Lube 40W Premium Pump Oil.
Alternate Oil: 30W non-detergent or 15W-40 non-detergent oil.



Revised 8-8-2022

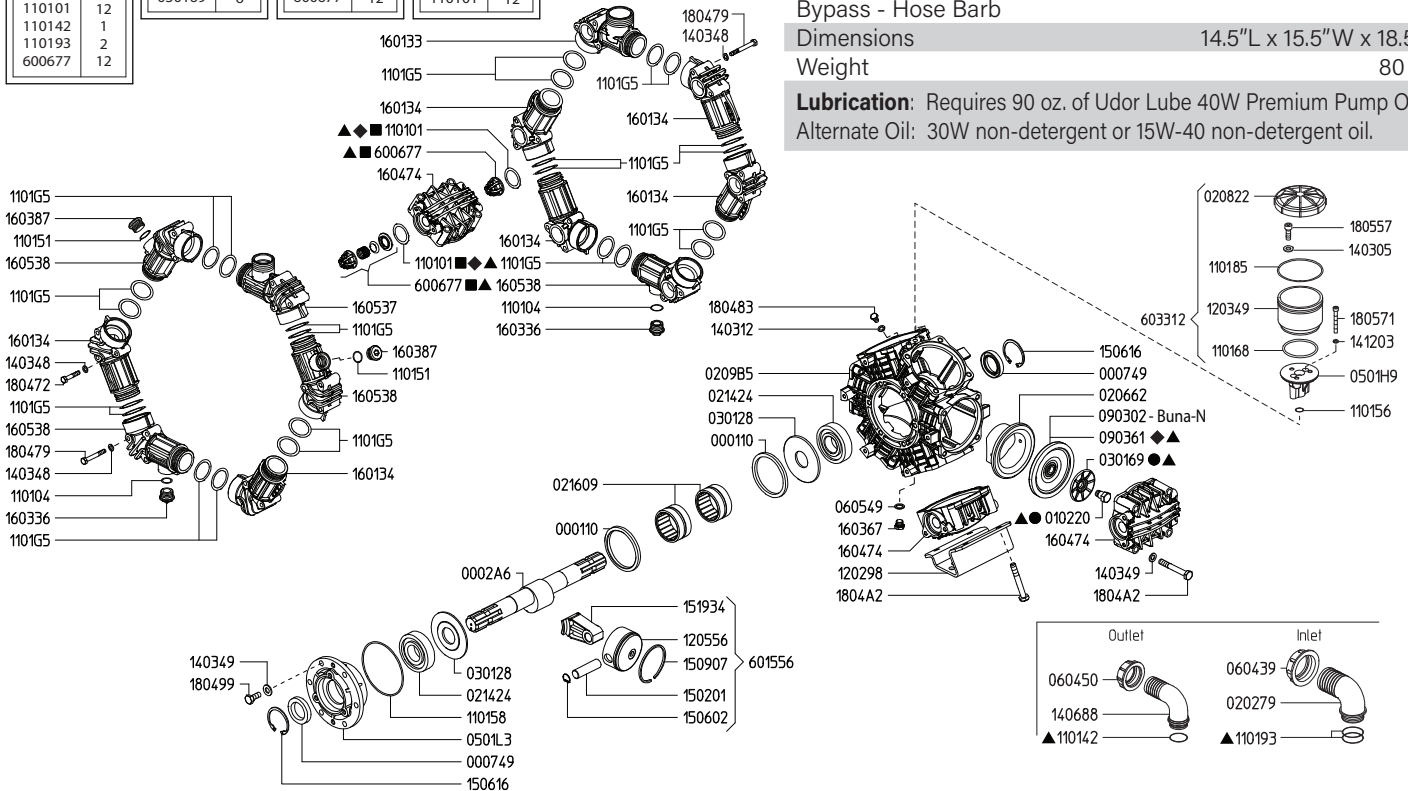
Part #	Description	Qty	Part #	Description	Qty
0001.10	RETAINER RING	2	1403.49	WASHER M10	26
0002.A9	CRANKSHAFT MI D1"	1	1406.88	OUTLET HOSE BARB D38	1
0007.41	OIL SEAL D40	1	1411.03	SERATED WASHER M10	3
0007.49	OIL SEAL D35	1	1412.03	BONDED WASHER M6	2
0102.20	DIAPHRAGM BOLT ●▲	6	1502.01	PIN D18X64	6
0202.79	INLET HOSE BARB D50	1	1506.02	SNAP RING D18	6
0206.62	SLEEVE D80	6	1506.16	SNAP RING D55	2
0208.22	OIL RESERVOIR CAP	1	1509.07	PISTON RING D80	6
0209.B5	CRANKCASE	1	1519.34	CONNECTING ROD	6
0214.14	BALL BEARING D40	1	1534.09	DISC	1
0214.24	BALL BEARING D35	1	1601.33	SUCTION MANIFOLD G2" M	1
0216.09	ROLLER BEARING D55	2	1601.34	INLET-OUTLET MANIFOLD	6
0301.48	ROD DISC	2	1603.36	PLUG G3/4	2
0301.69	DIAPHRAGM WASHER●▲	6	1603.67	PLUG G1/4	1
0501.C1	FLANGE - HYDRAULIC	1	1603.87	PLUG G3/4	2
0501.H9	OIL CUP SUPPORT FLANGE	1	1604.74	HEAD	6
0501.L3	BEARING FLANGE	1	1605.37	OUTLET MANIFOLD G1"1/2 M	1
0604.39	BARB NUT G2"	1	1605.38	INLET-OUTLET MANIFOLD G3/4 F	4
0604.50	BARB NUT G1-1/2"	1	1804.72	HEX BOLT M8X50	12
0605.49	GASKET D13	1	1804.79	HEX BOLT M8X70	24
0903.02	PISTON DIAPHRAGM - BUNA-N 116MM	6	1804.83	HEX BOLT M8X12	1
0903.61	PISTON DIAPHRAGM - GREENTECH 116MM ◆▲	6	1804.99	HEX BOLT M10X25	6
1101.01	O-RING - VALVE ◆◆▲	12	1804.A2	HEX BOLT M10X75	24
1101.04	O-RING - DRAIN PLUG	2	1805.01	ALLEN BOLT M10X25	3
1101.42	O-RING - DISCHARGE BARB▲	1	1805.57	ALLEN BOLT M8X22	3
1101.51	O-RING - PLUG	2	1805.71	ALLEN BOLT M6X50	2
1101.56	O-RING - OIL RESERVIOR	1	6006.77	VALVE ASSEMBLY W/O O-RING ■▲	12
1101.58	O-RING - BEARING FLANGE	1	6015.56	ROD ASSEMBLY - D80 PISTON	6
1101.68	O-RING - OIL RESERVIOR	1	6033.12	OIL RESERVOIR ASSEMBLY	1
1101.85	O-RING - OIL RESERVIOR	1	6062.D3	IN/OUTLET VALVE KIT (KIT 636)	1
1101.93	O-RING - INLET BARB▲	2	6062.D4	DIAPH BOLT & WASHER (KIT 637)	1
1101.G5	O-RING - MANIFOLD TUBE	24	6062.H4	DIAPHTAGM KIT - GREENTECH (KIT 672)	1
1202.98	BASE PLATE	2	8700.42CK	COMPLETE REPAIR KIT	1
1203.49	OIL RESERVOIR	1			
1205.56	ALUMINIUM PISTON D80	6			
1403.05	WASHER M8	3			
1403.12	GASKET D8.5	1			
1403.48	WASHER M8	36			

- Parts in 6062.D3 (Kit 636)
- Parts in 6062.D4 (Kit 637)
- ◆ Parts in 6062.H4 (Kit 672)
- ▲ Parts in 8700.42CK Repair Kit

8700.42CK		6062D4 KIT 637		6062D3 KIT 636		6062H4 KIT 672	
CODE	QTY	CODE	QTY	CODE	QTY	CODE	QTY
010220	6	010220	6	110101	12	090361	6
030169	6	030169	6	600677	12	110101	12
110101	12						
110142	1						
110193	2						
600677	12						

Maximum Flow	78.0 GPM / 295 lpm
Maximum Pressure	300 PSI / 20 bar
Maximum RPM	550 RPM
Inlet Port - Hose Barb	2" HB
Outlet Port - Hose Barb	1-1/2" HB
Bypass - Hose Barb	-
Dimensions	14.5"L x 15.5"W x 18.5"H
Weight	80 lbs

Lubrication: Requires 90 oz. of Udor Lube 40W Premium Pump Oil.
Alternate Oil: 30W non-detergent or 15W-40 non-detergent oil.



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Part #	Description	Qty
0001.08	RETAINER RING	1
0002.A6	CRANKSHAFT TS 2C	1
0007.49	OIL SEAL D35	2
0102.20	DIAPHRAGM BOLT ●▲	6
0202.79	INLET HOSE BARB D50	1
0206.62	SLEEVE D80	6
0208.22	OIL RESERVOIR CAP	1
0209.B5	CRANKCASE	1
0214.04	BALL BEARING D35	2
0216.09	ROLLER BEARING D55	2
0301.28	ROD DISC	2
0301.69	DIAPHRAGM WASHER ●▲	6
0501.H9	OIL CUP SUPPORT FLANGE	1
0501.L3	BEARING FLANGE	1
0604.39	BARB NUT G2"	1
0604.50	BARB NUT G1-1/2"	1
0605.49	GASKET D13	1
0903.02	PISTON DIAPHRAGM - BUNA-N 116MM	6
0903.61	PISTON DIAPHRAGM - GREENTECH 116MM ◆▲	6
1101.01	O-RING - VALVE ◆◆▲	12
1101.04	O-RING - DRAIN PLUG	2
1101.42	O-RING - DISCHARGE BARB▲	1
1101.51	O-RING - PLUG	2
1101.56	O-RING - OIL RESERVIOR	1
1101.58	O-RING - BEARING FLANGE	1
1101.68	O-RING - OIL RESERVIOR	1
1101.85	O-RING - OIL RESERVIOR	1
1101.93	O-RING - INLET BARB▲	2
1101.G5	O-RING - MANIFOLD TUBE	24
1202.98	BASE PLATE	2
1203.49	OIL RESERVOIR	1
1205.56	ALUMINIUM PISTON D80	6
1403.05	WASHER M8	3
1403.12	GASKET D8.5	1
1403.48	WASHER M8	36

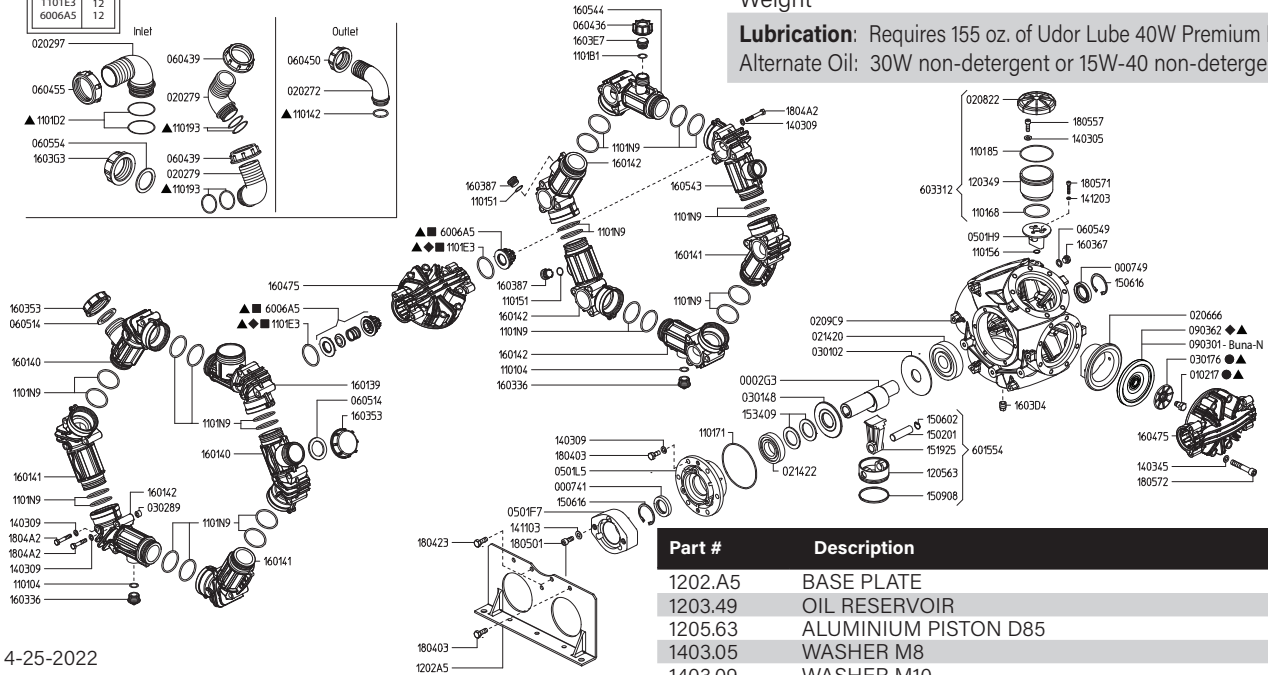
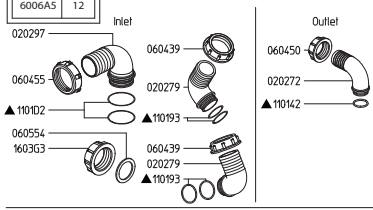
Part #	Description	Qty
1403.49	WASHER M10	26
1406.88	OUTLET HOSE BARB D38	1
1412.03	BONDED WASHER M6	2
1502.01	PIN D18X64	6
1506.02	SNAP RING D18	6
1506.16	SNAP RING D55	2
1509.07	PISTON RING D80	6
1519.33	CONNECTING ROD	6
1601.33	SUCTION MANIFOLD G2" M	1
1601.34	INLET-OUTLET MANIFOLD	6
1603.36	PLUG G3/4	2
1603.67	PLUG G1/4	1
1603.87	PLUG G3/4	2
1604.74	HEAD	6
1605.37	OUTLET MANIFOLD G1"1/2 M	1
1605.38	INLET-OUTLET MANIFOLD G3/4 F	4
1804.72	HEX BOLT M8X50	12
1804.79	HEX BOLT M8X70	24
1804.83	HEX BOLT M8X12	1
1804.99	HEX BOLT M10X25	6
1804.A2	HEX BOLT M10X75	24
1805.57	ALLEN BOLT M8X22	3
1805.71	ALLEN BOLT M6X50	2
6006.77	VALVE ASSEMBLY W/O O-RING ■▲	12
6015.56	ROD ASSEMBLY - D80 PISTON	6
6033.12	OIL RESERVOIR ASSEMBLY	1
6062.D3	IN/OUTLET VALVE KIT (KIT 636)	1
6062.D4	DIAPH BOLT & WASHER (KIT 637)	1
6062.H4	DIAPHTAGM KIT - GREENTECH (KIT 672)	1
8700.42CK	COMPLETE REPAIR KIT	1

- Parts in 6062.D3 (Kit 636)
- Parts in 6062.D4 (Kit 637)
- ◆ Parts in 6062.H4 (Kit 672)
- ▲ Parts in 8700.42CK Repair Kit

Maximum Flow	92.0 GPM / 345 lpm
Maximum Pressure	300 PSI / 20 bar
Maximum RPM	550 RPM
Inlet Port - Hose Barb	2" & 2-1/2" HB
Outlet Port - Hose Barb	(2)1-1/2" HB
Bypass - Hose Barb	-
Dimensions	20.5"L x 14.5"W x 23"H
Weight	155 lbs

Lubrication: Requires 155 oz. of Udor Lube 40W Premium Pump Oil.
Alternate Oil: 30W non-detergent or 15W-40 non-detergent oil.

8700.43CK		6062F9 KIT 660		6062G1 KIT 661		6062G2 KIT 662	
CODE	QTY	CODE	QTY	CODE	QTY	CODE	QTY
010217	6	1101E3	12	090362	6	010217	6
030176	6	6006A5	12	1101E3	12	030176	6
110142	1						
090362	1						
110193	4						
1101D2	2						
1101E3	12						
6006A5	12						



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Part #	Description	Qty
000110	RETAINER RING	2
0002.G3	CRANKSHAFT MI D1"	1
0007.41	OIL SEAL D40	1
0007.49	OIL SEAL D35	1
0102.17	DIAPHRAGM BOLT ●▲	6
0202.72	HOSE BARB D40	1
0202.79	HOSE BARB D50	2
0202.97	HOSE BARB D60	1
0206.66	SLEEVE D85	6
0208.22	OIL RESERVOIR CAP	1
0209.C9	CRANKCASE	1
0214.20	BALL BEARING D35	1
0214.22	BALL BEARING D40	1
0301.02	ROD DISC	1
0301.48	ROD DISC	1
0301.76	DIAPHRAGM WASHER ●▲	6
0302.89	SPACER	6
0501.F7	FLANGE - MI	1
0501.H9	OIL CUP SUPPORT FLANGE	1
0501.L5	BEARING FLANGE	1
0604.36	BARB NUT G1"	1
0604.39	BARB NUT G2"	2
0604.50	BARB NUT G1-1/2"	1
0604.55	BARB NUT G2"1/2	1
0605.14	GASKET D40	2
0605.49	GASKET D13	1
0605.54	GASKET D55	1
0903.01	PISTON DIAPHRAGM - BUNA-N 130MM	6
0903.62	PISTON DIAPHRAGM - GREENTECH 130MM■▲	6
1101.04	O-RING - PLUG	2
1101.42	O-RING - OUTLET HOSE BARB▲	1
1101.51	O-RING - PLUG	2
1101.56	O-RING - OIL RESERVIOR	1
1101.68	O-RING - OIL RESERVIOR	1
1101.71	O-RING - BEARING FLANGE	1
1101.85	O-RING - OIL RESERVIOR	1
1101.93	O-RING - INLET HOSE BARB▲	4
1101.B1	O-RING - PLUG	1
1101.D2	O-RING - INLET HOSE BARB▲	2
1101.E3	O-RING - VALVE ◆◆▲	12
1101.N9	O-RING - MANIFOLD TUBE	24

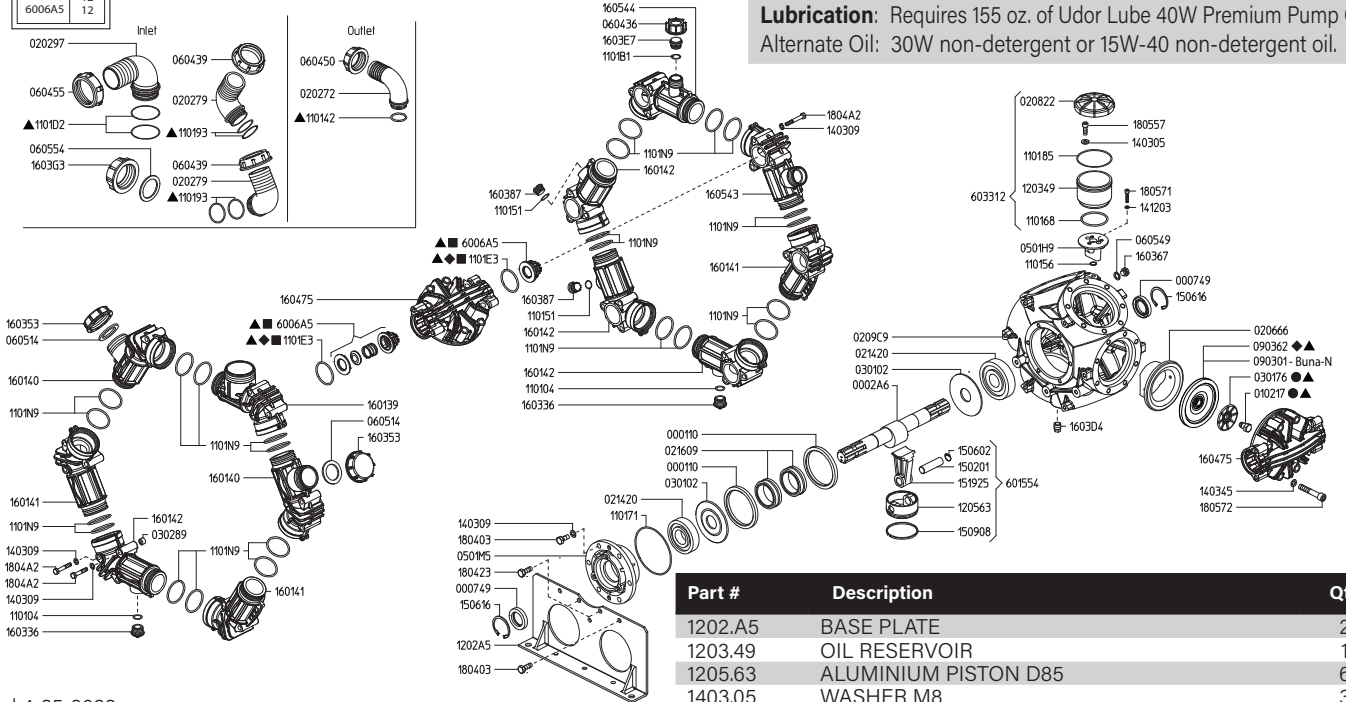
Part #	Description	Qty
1202.A5	BASE PLATE	2
1203.49	OIL RESERVOIR	1
1205.63	ALUMINIUM PISTON D85	6
1403.05	WASHER M8	3
1403.09	WASHER M10	42
1403.45	WASHER M13	48
1411.03	SERATED WASHER M10	3
1412.03	BONDED WASHER M6	2
1502.01	PIN D18X64	6
1506.02	SNAP RING D18	6
1506.16	SNAP RING D55	2
1509.08	PISTON RING D85	6
1519.25	CONNECTING ROD	6
1534.09	DISC	2
1601.39	SUCTION MANIFOLD G2"1/2 M	1
1601.40	SUCTION MANIFOLD G2" M	2
1601.41	INLET-OUTLET MANIFOLD	3
1601.42	INLET-OUTLET MANIFOLD G3/4 F	4
1603.36	PLUG G3/4	2
1603.53	PLUG G2" F	2
1603.67	PLUG G1/4	1
1603.87	PLUG G3/4	2
1603.D4	PLUG G3/8	1
1603.E7	PLUG	1
1603.G3	PLUG G2"1/2 F	1
1604.75	HEAD	6
1605.43	OUTLET MANIFOLD G1"1/2 M	1
1605.44	OUTLET MANIFOLD G1" M	1
1804.03	HEX BOLT M10X30	10
1804.23	HEX BOLT M10X40	4
1804.A2	HEX BOLT M10X75	36
1805.01	ALLEN BOLT M10X25	3
1805.57	ALLEN BOLT M8X20	3
1805.71	ALLEN BOLT M6X50	2
1805.72	ALLEN BOLT M12X75	48
6006.A5	VALVE ASSEMBLY W/O O-RING ■▲	12
6015.54	ROD ASSEMBLY - D85 PISTON	6
6033.12	OIL RESERVOIR ASSEMBLY	1
6062.F9	IN/OUTLET VALVE KIT (KIT 660)	1
6062.G1	DIAPHRAGM KIT - GREENTECH (KIT 661)	1
6062.G2	DIAPHRAGM BOLT & WASHER (KIT 662)	1
8700.43CK	COMPLETE REPAIR KIT	1

- Parts in 6062.F9 (Kit 660)
- ◆ Parts in 6062.G1 (Kit 661)
- Parts in 6062.G2 (Kit 662)
- ▲ Parts in 8700.43CK Repair Kit

Maximum Flow	92.0 GPM / 345 lpm
Maximum Pressure	300 PSI / 20 bar
Maximum RPM	550 RPM
Inlet Port - Hose Barb	2" & 2-1/2" HB
Outlet Port - Hose Barb	(2)1-1/2" HB
Bypass - Hose Barb	-
Dimensions	20.5"L x 14.5"W x 23"H
Weight	155 lbs

Lubrication: Requires 155 oz. of Udor Lube 40W Premium Pump Oil.
Alternate Oil: 30W non-detergent or 15W-40 non-detergent oil.

8700.43CK		6062F9 KIT 660		6062G1 KIT 661		6062G2 KIT 662	
CODE	QTY	CODE	QTY	CODE	QTY	CODE	QTY
010217	6	1101E3	12	090362	6	010217	6
030176	6	6006A5	12	1101E3	12	030176	6
090362	6						
110142	1						
110193	4						
1101D2	2						
1101E3	12						
6006A5	12						



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Part #	Description	Qty
0001.10	RETAINER RING	2
0002.A6	CRANKSHAFT TS 2C	1
0007.49	OIL SEAL D35	2
0102.17	DIAPHRAGM BOLT ●▲	6
0202.72	DISCHARGE HOSE BARB D40	1
0202.79	INLET HOSE BARB D50	2
0202.97	INLET HOSE BARB D60	1
0206.66	SLEEVE D85	6
0208.22	OIL RESERVOIR CAP	1
0209.C9	CRANKCASE	1
0214.20	BALL BEARING D35	2
0216.09	ROLLER BEARING D55	2
0301.02	ROD DISC	2
0301.76	DIAPHRAGM WASHER●▲	6
0302.89	SPACER	6
0501.H9	OIL CUP SUPPORT FLANGE	1
0501.M5	BEARING FLANGE	1
0604.36	BARB NUT G1"	1
0604.39	BARB NUT G2"	2
0604.50	BARB NUT G1-1/2"	1
0604.55	BARB NUT G2-1/2"	1
0605.14	GASKET D40	2
0605.49	GASKET D13	1
0605.54	GASKET D55	1
0903.01	PISTON DIAPHRAGM - BUNA-N 130MM	6
0903.62	PISTON DIAPHRAGM - GREENTECH 130MM■▲	6
1101.04	O-RING - PLUG	2
1101.42	O-RING - OUTLET HOSE BARB▲	1
1101.51	O-RING - PLUG	2
1101.56	O-RING - OIL RESERVIOR	1
1101.68	O-RING - OIL RESERVIOR	1
1101.71	O-RING - BEARING FLANGE	1
1101.85	O-RING - OIL RESERVIOR	1
1101.93	O-RING - INLET HOSE BARB▲	4
1101.B1	O-RING - PLUG	1
1101.D2	O-RING - INLET HOSE BARB▲	2
1101.E3	O-RING - VALVE◆■▲	12
1101.N9	O-RING - MANIFOLD TUBE	24

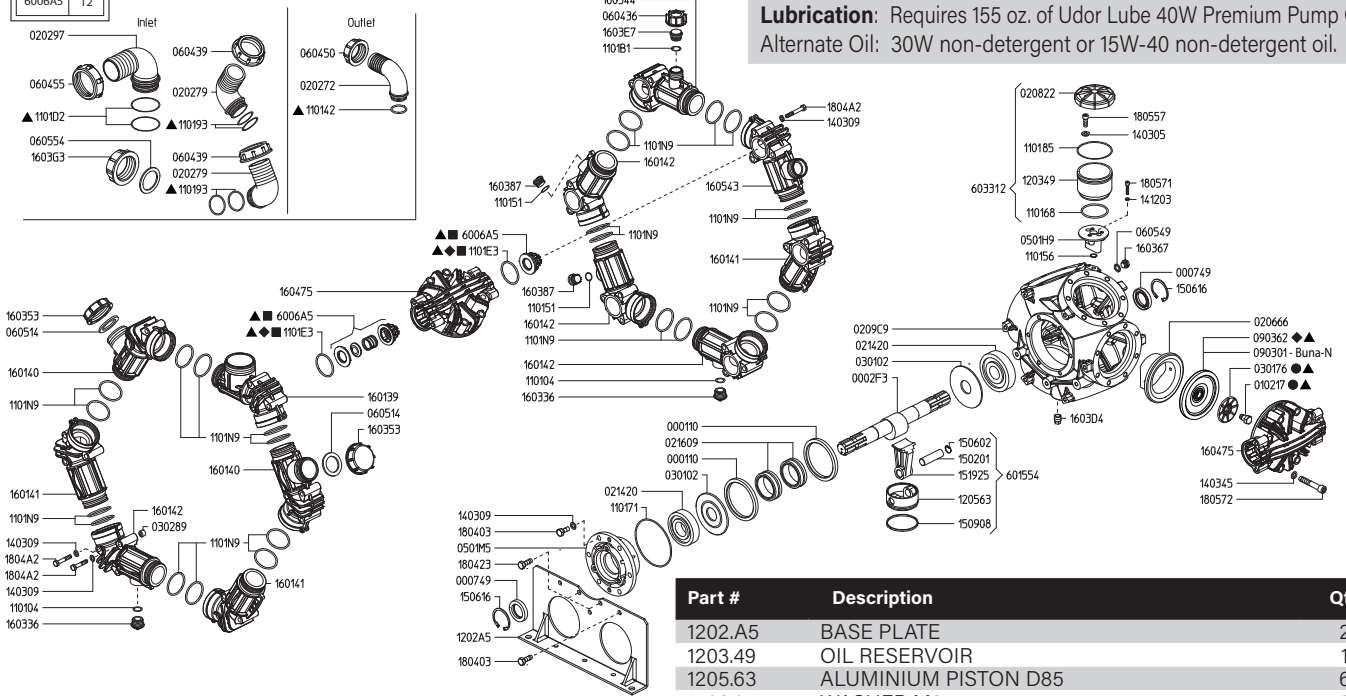
Part #	Description	Qty
1202.A5	BASE PLATE	2
1203.49	OIL RESERVOIR	1
1205.63	ALUMINIUM PISTON D85	6
1403.05	WASHER M8	3
1403.09	WASHER M10	42
1403.45	WASHER M13	48
1412.03	BONDED WASHER M6	2
1502.01	PIN D18X64	6
1506.02	SNAP RING D18	6
1506.16	SNAP RING D55	2
1509.08	PISTON RING D85	6
1519.25	CONNECTING ROD	6
1601.39	SUCTION MANIFOLD G2"1/2 M	1
1601.40	SUCTION MANIFOLD G2" M	2
1601.41	INLET-OUTLET MANIFOLD	3
1601.42	INLET-OUTLET MANIFOLD G3/4 F	4
1603.36	PLUG G3/4	2
1603.53	PLUG G2" F	2
1603.67	PLUG G1/4	1
1603.87	PLUG G3/4	2
1603.D4	PLUG G3/8	1
1603.E7	PLUG	1
1603.G3	PLUG G2"1/2 F	1
1604.75	HEAD	6
1605.43	OUTLET MANIFOLD G1"1/2 M	1
1605.44	OUTLET MANIFOLD G1" M	1
1804.03	HEX BOLT M10X30	10
1804.23	HEX BOLT M10X40	4
1804.A2	HEX BOLT M10X75	36
1805.57	ALLEN BOLT M8X22	3
1805.71	ALLEN BOLT M6X50	2
1805.72	ALLEN BOLT M12X75	48
6006.A5	VALVE ASSEMBLY W/O O-RING■▲	12
6015.54	ROD ASSEMBLY - D85 PISTON	6
6033.12	OIL RESERVOIR ASSEMBLY	1
6062.F9	IN/OUTLET VALVE KIT (KIT 660)	1
6062.G1	DIAPHRAGM KIT - GREENTECH (KIT 661)	1
6062.G2	DIAPHRAGM BOLT & WASHER (KIT 662)	1
8700.43CK	COMPLETE REPAIR KIT	1

- Parts in 6062.F9 (Kit 660)
- ◆ Parts in 6062.G1 (Kit 661)
- Parts in 6062.G2 (Kit 662)
- ▲ Parts in 8700.43CK Repair Kit

Maximum Flow	106.0 GPM / 400 lpm
Maximum Pressure	300 PSI / 20 bar
Maximum RPM	550 RPM
Inlet Port - Hose Barb	2" & 2-1/2" HB
Outlet Port - Hose Barb	(2)1-1/2" HB
Bypass - Hose Barb	-
Dimensions	20.5"L x 14.5"W x 23"H
Weight	155 lbs

Lubrication: Requires 155 oz. of Udor Lube 40W Premium Pump Oil.
Alternate Oil: 30W non-detergent or 15W-40 non-detergent oil.

8700.43CK		6062F9 KIT 660		6062G1 KIT 661		6062G2 KIT 662	
CODE	QTY	CODE	QTY	CODE	QTY	CODE	QTY
010217	6	1101E3	12	090362	6	010217	6
030176	6	6006A5	12	1101E3	12	030176	6
090362	6						
110142	1						
110193	4						
1101D2	2						
1101E3	12						
6006A5	12						



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Part #	Description	Qty
0001.10	RETAINER RING	2
0002.F3	CRANKSHAFT TS 2C	1
0007.49	OIL SEAL D35	2
0102.17	DIAPHRAGM BOLT ●▲	6
0202.72	DISCHARGE HOSE BARB D40	1
0202.79	INLET HOSE BARB D50	2
0202.97	INLET HOSE BARB D60	1
0206.58	SLEEVE D85	6
0208.22	OIL RESERVOIR CAP	1
0209.C9	CRANKCASE	1
0214.20	BALL BEARING D35	2
0216.09	ROLLER BEARING D55	2
0301.02	ROD DISC	2
0301.76	DIAPHRAGM WASHER ●▲	6
0302.89	SPACER	6
0501.H9	OIL CUP SUPPORT FLANGE	1
0501.M5	BEARING FLANGE	1
0604.36	BARB NUT G1"	1
0604.39	BARB NUT G2"	2
0604.50	BARB NUT G1-1/2"	1
0604.55	BARB NUT G2-1/2"	1
0605.14	GASKET D40	2
0605.49	GASKET D13	1
0605.54	GASKET D55	1
0903.01	PISTON DIAPHRAGM - BUNA-N 130MM	6
0903.62	PISTON DIAPHRAGM - GREENTECH 130MM■▲	6
1101.04	O-RING - PLUG	2
1101.42	O-RING - OUTLET HOSE BARB▲	1
1101.51	O-RING - PLUG	2
1101.56	O-RING - OIL RESERVIOR	1
1101.68	O-RING - OIL RESERVIOR	1
1101.71	O-RING - BEARING FLANGE	1
1101.85	O-RING - OIL RESERVOIR	1
1101.93	O-RING - INLET HOSE BARB▲	4
1101.B1	O-RING - PLUG	1
1101.D2	O-RING - INLET HOSE BARB▲	2
1101.E3	O-RING - VALVE ◆■▲	12
1101.N9	O-RING - MANIFOLD TUBE	24

Part #	Description	Qty
1202.A5	BASE PLATE	2
1203.49	OIL RESERVOIR	1
1205.63	ALUMINIUM PISTON D85	6
1403.05	WASHER M8	3
1403.09	WASHER M10	42
1403.45	WASHER M13	48
1412.03	BONDED WASHER M6	2
1502.01	PIN D18X64	6
1506.02	SNAP RING D18	6
1506.16	SNAP RING D55	2
1509.08	PISTON RING D85	6
1519.25	CONNECTING ROD	6
1601.39	SUCTION MANIFOLD G2"1/2 M	1
1601.40	SUCTION MANIFOLD G2" M	2
1601.41	INLET-OUTLET MANIFOLD	3
1601.42	INLET-OUTLET MANIFOLD G3/4 F	4
1603.36	PLUG G3/4	2
1603.53	PLUG G2" F	2
1603.67	PLUG G1/4	1
1603.87	PLUG G3/4	2
1603.D4	PLUG G3/8	1
1603.E7	PLUG	1
1603.G3	PLUG G2"1/2 F	1
1604.75	HEAD	6
1605.43	OUTLET MANIFOLD G1"1/2 M	1
1605.44	OUTLET MANIFOLD G1" M	1
1804.03	HEX BOLT M10X30	10
1804.23	HEX BOLT M10X40	4
1804.A2	HEX BOLT M10X75	36
1805.57	ALLEN BOLT M8X22	3
1805.71	ALLEN BOLT M6X50	2
1805.72	ALLEN BOLT M12X75	48
6006.A5	VALVE ASSEMBLY W/O O-RING ■▲	12
6015.54	ROD ASSEMBLY - D85 PISTON	6
6033.12	OIL RESERVOIR ASSEMBLY	1
6062.F9	IN/OUTLET VALVE KIT (KIT 660)	1
6062.G1	DIAPHRAGM KIT - GREENTECH (KIT 661)	1
6062.G2	DIAPHRAGM BOLT & WASHER (KIT 662)	1
8700.43CK	COMPLETE REPAIR KIT	1

- Parts in 6062.F9 (Kit 660)
- ◆ Parts in 6062.G1 (Kit 661)
- Parts in 6062.G2 (Kit 662)
- ▲ Parts in 8700.43CK Repair Kit

8700.01CK	
CODE	QTY
010202	2
030109	2
090308	1
090312	2
110110	4
110152	4
1101A2	1
1101G4	4
600621	4

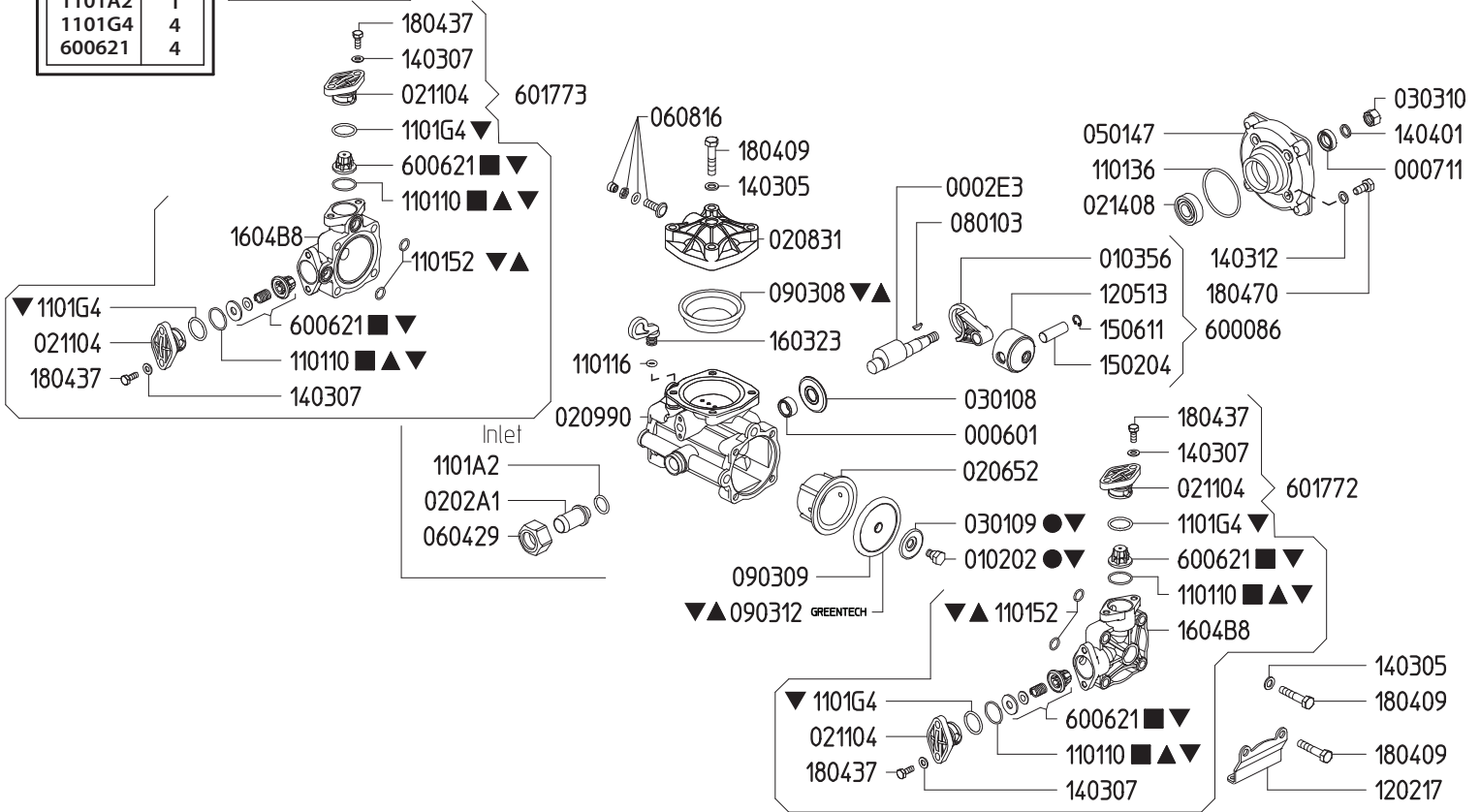
870001	
KIT 629	
CODE	QTY
090308	1
090312	2
110110	4
110152	4

606238	
KIT 537	
CODE	QTY
110110	4
600621	4

606240	
KIT 539	
CODE	QTY
010202	2
030109	2

Maximum Flow	4.8 GPM / 18 lpm
Maximum Pressure	290 PSI / 20 bar
Maximum RPM	600
Inlet Port - Hose Barb	3/4" HB
Outlet Ports - Hose Barb, Valve	3/8" HB
Bypass - Hose Barb	3/8" HB
Dimensions	7.5"L x 12.5"W x 8.5"H
Weight	33 lbs

Lubrication: Requires 7 oz. of Udor Lube 40W Premium Pump Oil.
Alternate Oil: 30W non-detergent or 15W-40 non-detergent oil.



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Part #	Description	Qty	Part #	Description	Qty
0002.E3	SHAFT "IOTA 18"	1	1101.G4	O-RING - VALVE COVER ▼	4
0006.01	BUSHING D15	1	1202.17	BASE PLATE "IOTA 20/25"	2
0007.11	OIL SEAL D14	1	1205.13	ALUMINIUM PISTON D44 "IOTA 20/25"	2
0102.02	DIAPHRAGM BOLT "IOTA/KAPPA 15" ●▼	2	1403.05	WASHER M8	8
0103.56	CONNECTING ROD "IOTA 20/25"	2	1403.07	WASHER M6	8
0202.A1	HOSE BARB D20	1	1403.12	GASKET D8,5	4
0206.52	SLEEVE D44 "IOTA 18"	2	1404.01	GROWER WASHER D11	1
0208.31	ACCUMULATOR COVER "IOTA 20/25"	1	1502.04	PIN D12X35	2
0209.90	CRANKCASE "IOTA 20/25"	1	1506.11	SNAP RING D12	2
0211.04	COVER "IOTA 20/25"	4	1603.23	OIL PLUG W/O O-RING	1
0214.08	BALL BEARING D15	1	1604.B8	HEAD "IOTA 20/25"	2
0301.08	BEARING DISC "IOTA 20/25"	1	1804.09	HEX BOLT M8X40	12
0301.09	DIAPHRAGM DISC "IOTA 20/25" ●▼	2	1804.37	HEX BOLT M6X18	8
0303.10	HEX NUT M10X1X10	1	1804.70	HEX BOLT M8X18	4
0501.47	BEARING FLANGE "IOTA 20"	1	6000.86	ROD ASSY "IOTA 20/25" D44	2
0604.29	PLASTIC NUT G3/4	1	6006.21	VALVE ASSY "IOTA 20/25" W/T O-RING ■▼	4
0608.16	AIR VALVE ASSY	1	6017.72	RIGHT HEAD ASSY "IOTA 20/25"	1
0801.03	KEY 3X5 UNI6606 DIN6888	1	6017.73	LEFT HEAD ASSY "IOTA 20/25"	1
0903.08	ACCUMULATOR DIAPH "IOTA/KAPPA 25/55" ▼▲	1	6062.38	IN/OUTLET VALVE KIT "IOTA" (KIT 537)	1
0903.09	PISTON DIAPHRAGM BUNA-N D70	2	6062.40	DIAPHRAGM BOLT / WASHER (KIT 539)	1
0903.12	PISTON DIAPHRAGM GREENTECH D70 ▲▼	2	8700.01	DIAPHRAGM KIT GREENTECH (KIT 629)	1
1101.10	O-RING - VALVE ▼▲■	4	8700.01CK	COMPLETE REPAIR KIT	1
1101.16	O-RING - OIL PLUG / AIR VALVE	2	■	Parts in 6062.38 (Kit 537)	
1101.36	O-RING - BEARING FLANGE	1	●	Parts in 6062.40 (Kit 539)	
1101.52	O-RING - HEAD ▲▼	4	▲	Parts in 8700.01 (Kit 629)	
1101.A2	O-RING - INLET HOSE BARB ▼	1	▼	Parts in 8700.01 (Complete Repair Kit)	

8700.01CK	
CODE	QTY
010202	2
030109	2
090308	1
090312	2
110110	4
110152	4
1101A2	1
1101G4	4
600621	4

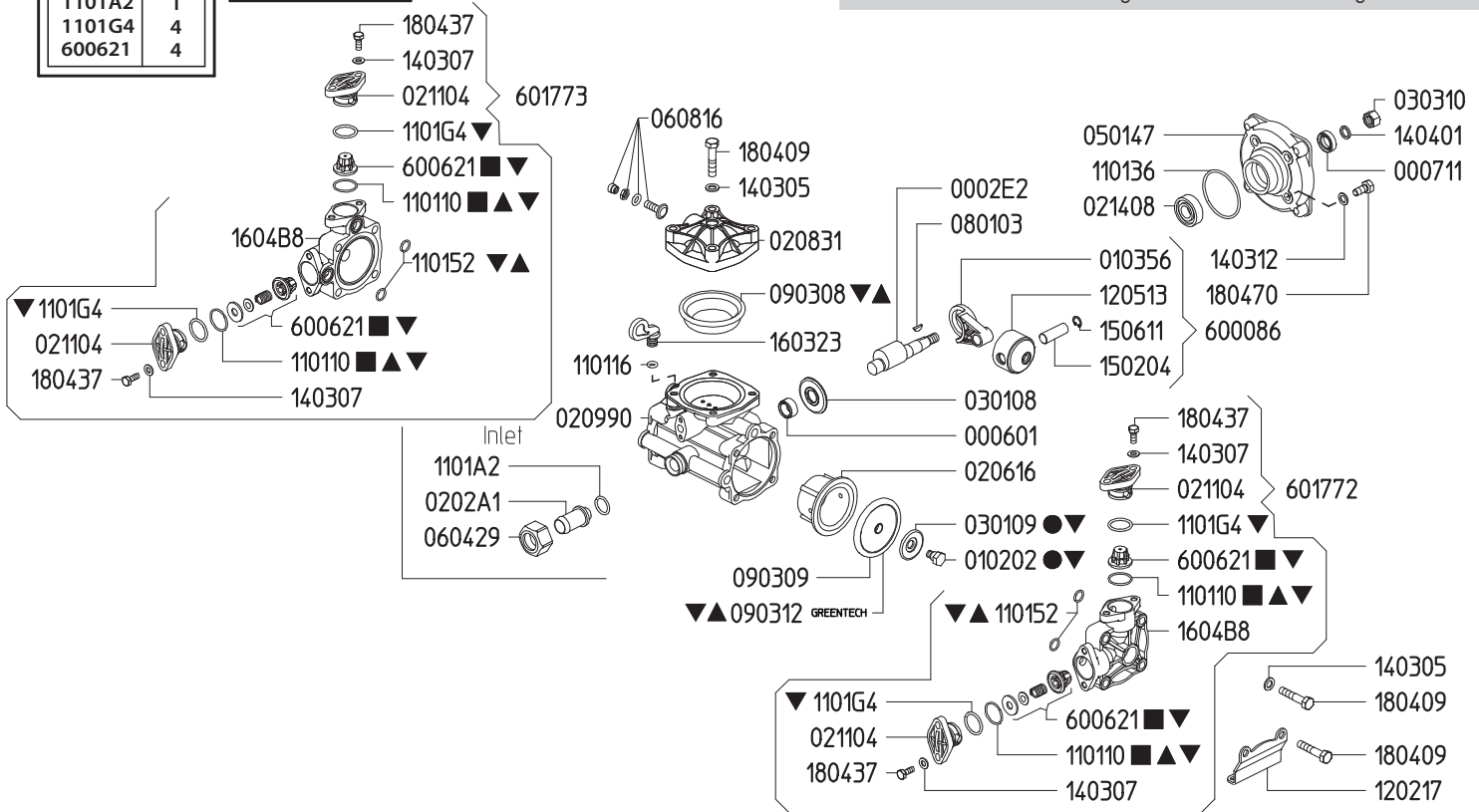
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CODE	QTY
090308	1
090312	2
110110	4
110152	4

606238 KIT 537	
CODE	QTY
110110	4
600621	4

606240 KIT 539	
CODE	QTY
010202	2
030109	2

Maximum Flow	5.0 GPM / 19 lpm
Maximum Pressure	290 PSI / 20 bar
Maximum RPM	600
Inlet Port - Hose Barb	3/4" HB
Outlet Ports - Hose Barb, Valve	3/8" HB
Bypass - Hose Barb	5/8" HB
Dimensions - Pump Only	7.5"L x 12.5"W x 8.5"H
Weight - with GR	12 lbs

Lubrication: Requires 7 oz. of Udor Lube 40W Premium Pump Oil.
Alternate Oil: 30W non-detergent or 15W-40 non-detergent oil.



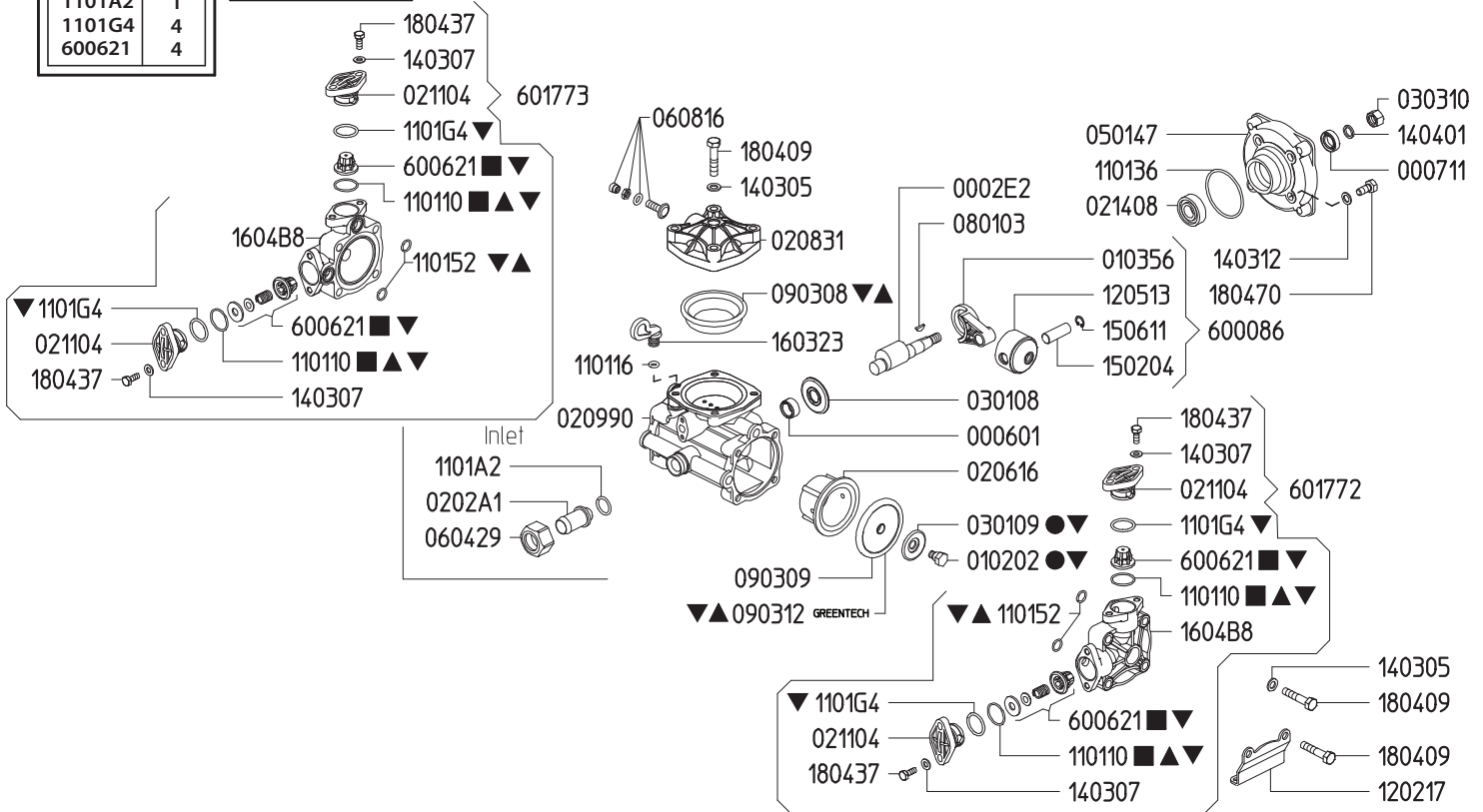
Revised 11-18-2021

Part #	Description	Qty	Part #	Description	Qty
0002.E2	SHAFT "IOTA 20"	1	1202.17	BASE PLATE "IOTA 20/25"	2
0006.01	BUSHING D15	1	1205.13	ALUMINIUM PISTON D44 "IOTA 20/25"	2
0007.11	OIL SEAL D14	1	1403.05	WASHER M8	8
0102.02	DIAPHRAGM BOLT "IOTA/KAPPA 15" ●▼	2	1403.07	WASHER M6	8
0103.56	CONNECTING ROD "IOTA 20/25"	2	1403.12	GASKET D8,5	4
0202.A1	HOSE BARB D20	1	1404.01	GROWER WASHER D11	1
0206.16	SLEEVE D44 "IOTA 20"	2	1502.04	PIN D12X35	2
0208.31	ACCUMULATOR COVER "IOTA 20/25"	1	1506.11	SNAP RING D12	2
0209.90	CRANKCASE "IOTA 20/25"	1	1603.23	OIL PLUG W/O O-RING	1
0211.04	COVER "IOTA 20/25"	4	1604.B8	HEAD "IOTA 20/25"	2
0214.08	BALL BEARING D15	1	1804.09	HEX BOLT M8X40	12
0301.08	BEARING DISC "IOTA 20/25"	1	1804.37	HEX BOLT M6X18	8
0301.09	DIAPHRAGM DISC "IOTA 20/25" ●▼	2	1804.70	HEX BOLT M8X18	4
0303.10	HEX NUT M10X1X10	1	6000.86	ROD ASSY "IOTA 20/25" D44	2
0501.47	BEARING FLANGE "IOTA 20"	1	6006.21	VALVE ASSY "IOTA 20/25" W/T O-RING ■▼	4
0604.29	PLASTIC NUT G3/4	1	6017.72	RIGHT HEAD ASSY "IOTA 20/25"	1
0608.16	AIR VALVE ASSY	1	6017.73	LEFT HEAD ASSY "IOTA 20/25"	1
0801.03	KEY 3X5 UNI6606 DIN6888	1	6062.38	IN/OUTLET VALVE KIT "IOTA" (KIT 537)	1
0903.08	ACCUMULATOR DIAPH "IOTA/KAPPA 25/55" ▼▲	1	6062.40	DIAPHRAGM BOLT / WASHER (KIT 539)	1
0903.09	PISTON DIAPHRAGM BUNA-N D70	2	8700.01	DIAPHRAGM KIT GREENTECH (KIT 629)	1
0903.12	PISTON DIAPHRAGM GREENTECH D70 ▲▼	2	8700.01CK	COMPLETE REPAIR KIT	1
1101.10	O-RING - VALVE ▼▲■	4	■	Parts in 6062.38 (Kit 537)	
1101.16	O-RING - OIL PLUG	1	●	Parts in 6062.40 (Kit 539)	
1101.36	O-RING - BEARING FLANGE	1	▲	Parts in 8700.01 (Kit 629)	
1101.52	O-RING - HEAD ▲▼	4	▼	Parts in 8700.01 (Complete Repair Kit)	
1101.A2	O-RING - INLET HOSE BARB ▼	1			
1101.G4	O-RING - VALVE COVER ▼	4			

Maximum Flow	5.0 GPM / 19 lpm
Maximum Pressure	290 PSI / 20 bar
Maximum RPM	600
Inlet Port - Hose Barb	3/4" HB
Outlet Ports - Hose Barb, Valve	3/8" HB
Bypass - Hose Barb	5/8" HB
Dimensions	7.5"L x 12.5"W x 8.5"H
Weight	9 lbs

Lubrication: Requires 7 oz. of Udor Lube 40W Premium Pump Oil.
 Alternate Oil: 30W non-detergent or 15W-40 non-detergent oil.

8700.01CK		870001		606238		606240	
KIT 629		KIT 537		KIT 539		KIT 539	
CODE	QTY	CODE	QTY	CODE	QTY	CODE	QTY
010202	2	090308	1	110110	4	010202	2
030109	2	090312	2	600621	4	030109	2
090308	1	110110	4				
090312	2	110152	4				
110110	4						
110152	4						
1101A2	1						
1101G4	4						
600621	4						



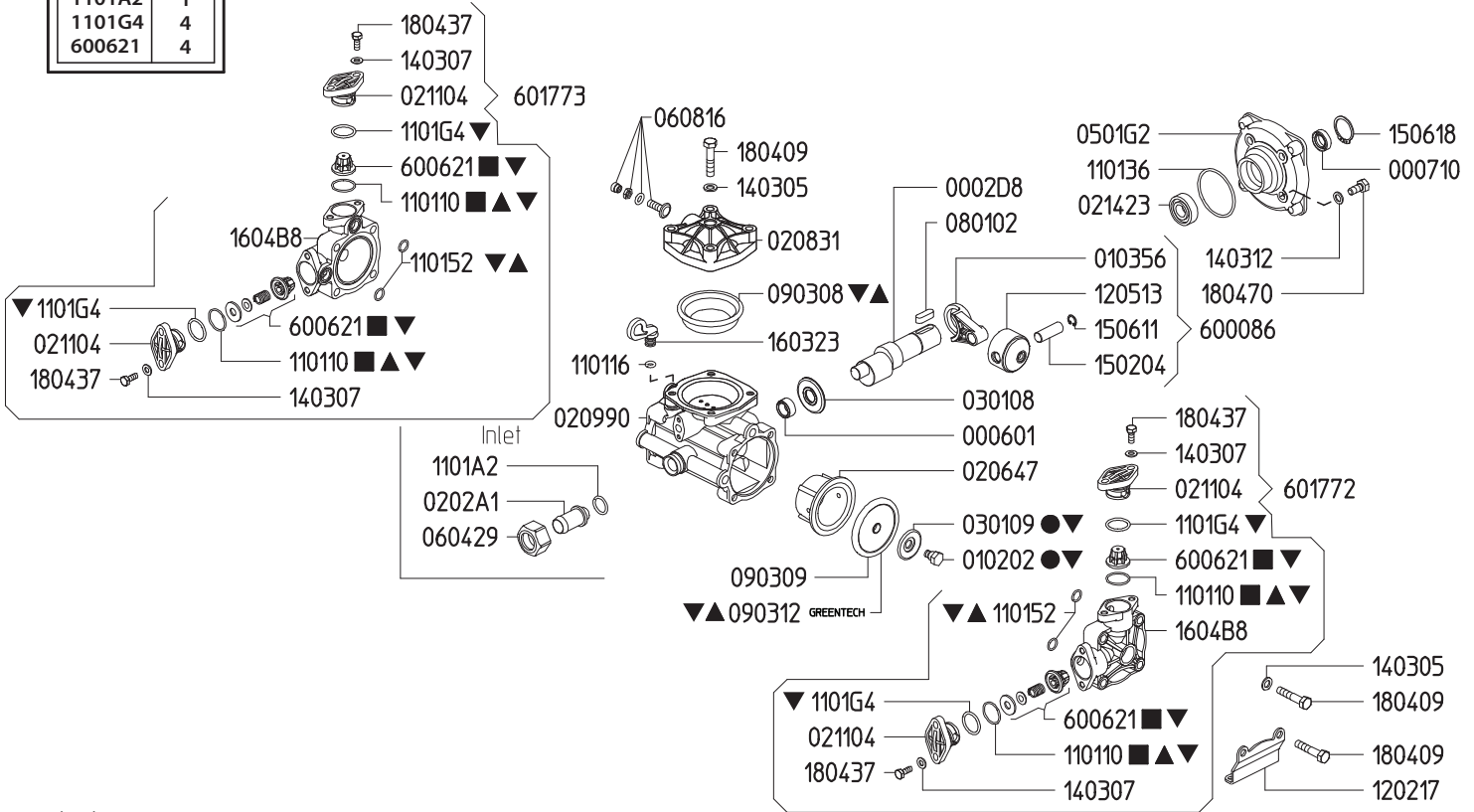
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Part #	Description	Qty	Part #	Description	Qty
0002.E2	SHAFT "IOTA 20"	1	1101.G4	O-RING - VALVE COVER ▼	4
0006.01	BUSHING D15	1	1202.17	BASE PLATE "IOTA 20/25"	2
0007.11	OIL SEAL D14	1	1205.13	ALUMINIUM PISTON D44 "IOTA 20/25"	2
0102.02	DIAPHRAGM BOLT "IOTA/KAPPA 15" ●▼	2	1403.05	WASHER M8	8
0103.56	CONNECTING ROD "IOTA 20/25"	2	1403.07	WASHER M6	8
0202.A1	HOSE BARB D20	1	1403.12	GASKET D8,5	4
0206.16	SLEEVE D44 "IOTA 20"	2	1404.01	GROWER WASHER D11	1
0208.31	ACCUMULATOR COVER "IOTA 20/25"	1	1502.04	PIN D12X35	2
0209.90	CRANKCASE "IOTA 20/25"	1	1506.11	SNAP RING D12	2
0211.04	COVER "IOTA 20/25"	4	1603.23	OIL PLUG W/O O-RING	1
0214.08	BALL BEARING D15	1	1604.B8	HEAD "IOTA 20/25"	2
0301.08	BEARING DISC "IOTA 20/25"	1	1804.09	HEX BOLT M8X40	12
0301.09	DIAPHRAGM DISC "IOTA 20/25" ●▼	2	1804.37	HEX BOLT M6X18	8
0303.10	HEX NUT M10X1X10	1	1804.70	HEX BOLT M8X18	4
0501.47	BEARING FLANGE "IOTA 20"	1	6000.86	ROD ASSY "IOTA 20/25" D44	2
0604.29	PLASTIC NUT G3/4	1	6006.21	VALVE ASSY "IOTA 20/25" W/T O-RING ■▼	4
0608.16	AIR VALVE ASSY	1	6017.72	RIGHT HEAD ASSY "IOTA 20/25"	1
0801.03	KEY 3X5 UNI6606 DIN6888	1	6017.73	LEFT HEAD ASSY "IOTA 20/25"	1
0903.08	ACCUMULATOR DIAPH "IOTA/KAPPA 25/55" ▼▲	1	6062.38	IN/OUTLET VALVE KIT "IOTA" (KIT 537)	1
0903.09	PISTON DIAPHRAGM BUNA-N D70	2	6062.40	DIAPHRAGM BOLT / WASHER (KIT 539)	1
0903.12	PISTON DIAPHRAGM GREENTECH D70 ▲▼	2	8700.01	DIAPHRAGM KIT GREENTECH (KIT 629)	1
1101.10	O-RING - VALVE ▼■	4	8700.01CK	COMPLETE REPAIR KIT	1
1101.16	O-RING - OIL PLUG / AIR VALVE	2	■	Parts in 6062.38 (Kit 537)	
1101.36	O-RING - BEARING FLANGE	1	●	Parts in 6062.40 (Kit 539)	
1101.52	O-RING - HEAD ▲▼	4	▲	Parts in 8700.01 (Kit 629)	
1101.A2	O-RING - INLET HOSE BARB ▼	1	▼	Parts in 8700.01 (Complete Repair Kit)	

Maximum Flow	7.0 GPM / 24 lpm
Maximum Pressure	290 PSI / 20 bar
Maximum RPM	600
Inlet Port - Hose Barb	3/4" HB
Outlet Ports - Hose Barb, Valve	3/8" HB
Bypass - Hose Barb	5/8" HB
Dimensions - Pump Only	7.5"L x 12.5"W x 8.5"H
Weight - with GR	12 lbs

Lubrication: Requires 7 oz. of Udor Lube 40W Premium Pump Oil.
Alternate Oil: 30W non-detergent or 15W-40 non-detergent oil.

8700.01CK		870001		606238		606240	
KIT 629		KIT 537		KIT 539		KIT 539	
CODE	QTY	CODE	QTY	CODE	QTY	CODE	QTY
010202	2	090308	1	110110	4	010202	2
030109	2	090312	2	600621	4	030109	2
090308	1	110110	4				
090312	2	110152	4				
110110	4						
110152	4						
1101A2	1						
1101G4	4						
600621	4						



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Part #	Description	Qty	Part #	Description	Qty
0002.D8	SHAFT "IOTA 25"	1	1202.17	BASE PLATE "IOTA 20/25"	2
0006.01	BUSHING D15	1	1205.13	ALUMINIUM PISTON D44 "IOTA 20/25"	2
0007.10	OIL SEAL D25	1	1403.05	WASHER M8	8
0102.02	DIAPHRAGM BOLT "IOTA/KAPPA 15" ●	2	1403.07	WASHER M6	8
0103.56	CONNECTING ROD "IOTA 20/25"	2	1403.12	GASKET D8,5	4
0202.A1	HOSE BARB D20	1	1502.04	PIN D12X35	2
0206.47	SLEEVE D44 "IOTA 25"	2	1506.11	SNAP RING D12	2
0208.31	ACCUMULATOR COVER "IOTA 20/25"	1	1506.18	SNAP RING D25	1
0209.90	CRANKCASE "IOTA 20/25"	1	1603.23	OIL PLUG W/O O-RING	1
0211.04	COVER "IOTA 20/25"	4	1604.B8	HEAD "IOTA 20/25"	2
0214.23	BALL BEARING D25	1	1804.09	HEX BOLT M8X40	12
0301.08	BEARING DISC "IOTA 20/25"	1	1804.37	HEX BOLT M6X18	8
0301.09	DIAPHRAGM DISC "IOTA 20/25" ●	2	1804.70	HEX BOLT M8X18	4
0501.G2	BEARING FLANGE "IOTA 25"	1	6000.86	ROD ASSY "IOTA 20/25" D44	2
0604.29	BARB NUT G3/4	1	6006.21	VALVE ASSY "IOTA 20/25" W/T O-RING ■	4
0608.16	AIR VALVE ASSY	1	6017.72	RIGHT HEAD ASSY "IOTA 20/25"	1
0801.02	KEY A8X7X25 UNI6604-69	1	6017.73	LEFT HEAD ASSY "IOTA 20/25"	1
0903.08	ACCUMULATOR DIAPH "IOTA/KAPPA 25/55" ▼▲	1	6062.38	IN/OUTLET VALVE KIT "IOTA" (KIT 537)	1
0903.09	PISTON DIAPHRAGM BUNA-N D70 ▲	2	6062.40	DIAPHRAGM BOLT / WASHER (KIT 539)	1
0903.12	PISTON DIAPHRAGM GREENTECH D70 ▼	2	8700.01	DIAPHRAGM KIT GREENTECH (KIT 629)	1
1101.10	O-RING - VALVE ▼▲■	4	8700.01CK	COMPLETE REPAIR KIT	1
1101.16	O-RING - OIL PLUG	1	■	Parts in 6062.38 (Kit 537)	
1101.36	O-RING - BEARING FLANGE	1	●	Parts in 6062.40 (Kit 539)	
1101.52	O-RING - HEAD ▼▲	4	▲	Parts in 8700.01 (Kit 629)	
1101.A2	O-RING - INLET HOSE BARB	1	▼	Parts in 8700.01 (Complete Repair Kit)	
1101.G4	O-RING - VALVE COVER	4			

8700.01CK	
CODE	QTY
010202	2
030109	2
090308	1
090312	2
110110	4
110152	4
1101A2	1
1101G4	4
600621	4

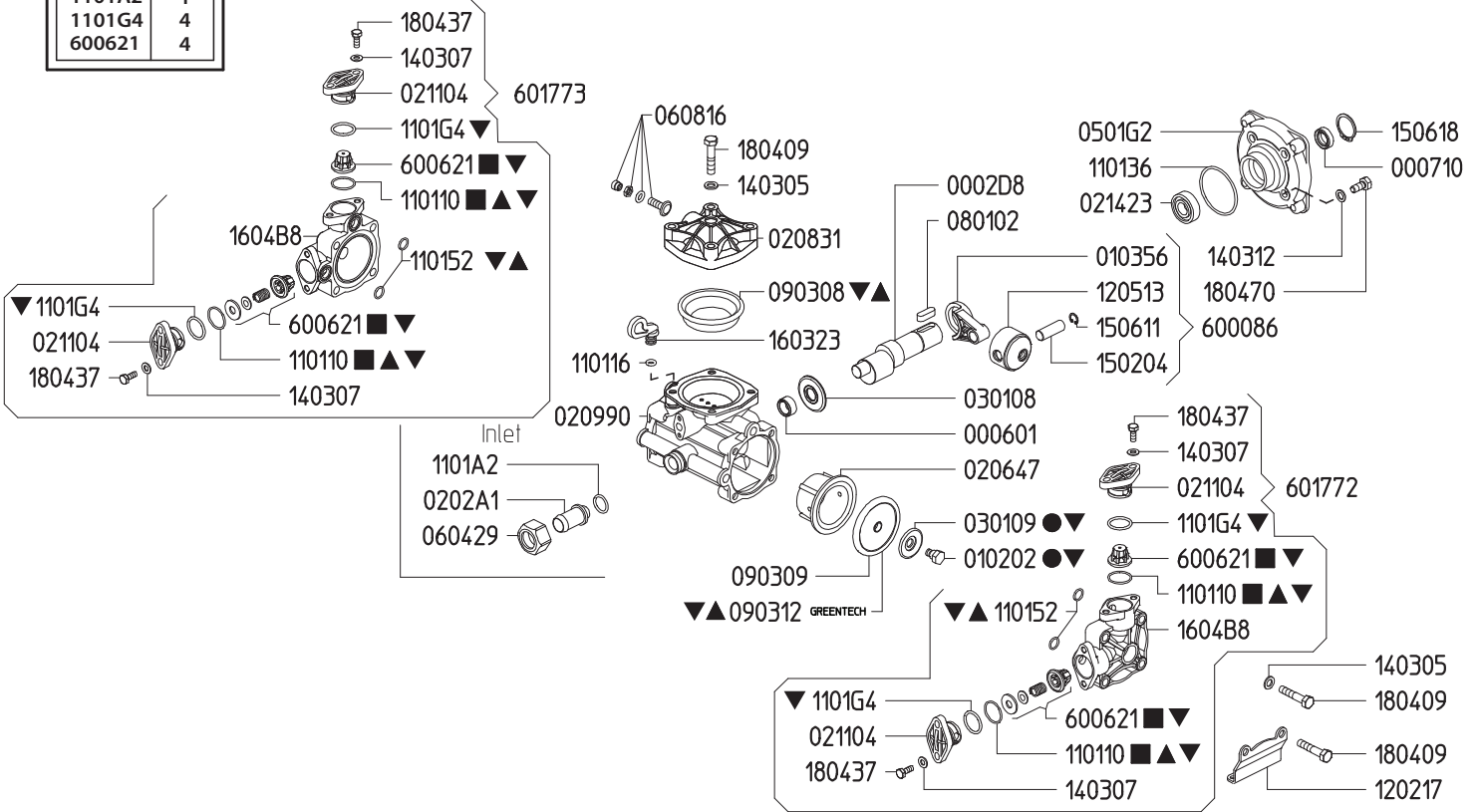
870001	
KIT 629	
CODE	QTY
090308	1
090312	2
110110	4
110152	4

606238	
KIT 537	
CODE	QTY
110110	4
600621	4

606240	
KIT 539	
CODE	QTY
010202	2
030109	2

Maximum Flow	7.0 GPM / 24 lpm
Maximum Pressure	290 PSI / 20 bar
Maximum RPM	600
Inlet Port - Hose Barb	3/4" HB
Outlet Ports - Hose Barb, Valve	3/8" HB
Bypass - Hose Barb	5/8" HB
Dimensions	7.5"L x 12.5"W x 8.5"H
Weight	10 lbs

Lubrication: Requires 7 oz. of Udor Lube 40W Premium Pump Oil.
Alternate Oil: 30W non-detergent or 15W-40 non-detergent oil.



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Part #	Description	Qty	Part #	Description	Qty
0002.D8	SHAFT "IOTA 25"	1	1202.17	BASE PLATE "IOTA 20/25"	2
0006.01	BUSHING D15	1	1205.13	ALUMINIUM PISTON D44 "IOTA 20/25"	2
0007.10	OIL SEAL D25	1	1403.05	WASHER M8	8
0102.02	DIAPHRAGM BOLT "IOTA/KAPPA 15" ●	2	1403.07	WASHER M6	8
0103.56	CONNECTING ROD "IOTA 20/25"	2	1403.12	GASKET D8,5	4
0202.A1	HOSE BARB D20	1	1502.04	PIN D12X35	2
0206.47	SLEEVE D44 "IOTA 25"	2	1506.11	SNAP RING D12	2
0208.31	ACCUMULATOR COVER "IOTA 20/25"	1	1506.18	SNAP RING D25	1
0209.90	CRANKCASE "IOTA 20/25"	1	1603.23	OIL PLUG W/O O-RING	1
0211.04	COVER "IOTA 20/25"	4	1604.B8	HEAD "IOTA 20/25"	2
0214.23	BALL BEARING D25	1	1804.09	HEX BOLT M8X40	12
0301.08	BEARING DISC "IOTA 20/25"	1	1804.37	HEX BOLT M6X18	8
0301.09	DIAPHRAGM DISC "IOTA 20/25" ●	2	1804.70	HEX BOLT M8X18	4
0501.G2	BEARING FLANGE "IOTA 25"	1	6000.86	ROD ASSY "IOTA 20/25" D44	2
0604.29	BARB NUT G3/4	1	6006.21	VALVE ASSY "IOTA 20/25" W/T O-RING ■	4
0608.16	AIR VALVE ASSY	1	6017.72	RIGHT HEAD ASSY "IOTA 20/25"	1
0801.02	KEY A8X7X25 UNI6604-69	1	6017.73	LEFT HEAD ASSY "IOTA 20/25"	1
0903.08	ACCUMULATOR DIAPH "IOTA/KAPPA 25/55" ▼▲	1	6062.38	IN/OUTLET VALVE KIT "IOTA" (KIT 537)	1
0903.09	PISTON DIAPHRAGM BUNA-N D70 ▲	2	6062.40	DIAPHRAGM BOLT / WASHER (KIT 539)	1
0903.12	PISTON DIAPHRAGM GREENTECH D70 ▼	2	8700.01	DIAPHRAGM KIT GREENTECH (KIT 629)	1
1101.10	O-RING - VALVE ▼▲■	4	8700.01CK	COMPLETE REPAIR KIT	1
1101.16	O-RING - OIL PLUG	1	■	Parts in 6062.38 (Kit 537)	
1101.36	O-RING - BEARING FLANGE	1	●	Parts in 6062.40 (Kit 539)	
1101.52	O-RING - HEAD ▼▲	4	▲	Parts in 8700.01 (Kit 629)	
1101.A2	O-RING - INLET HOSE BARB	1	▼	Parts in 8700.01 (Complete Repair Kit)	
1101.G4	O-RING - VALVE COVER	4			

8700.27CK	
CODE	QTY
010202	2
030137	2
090305	2
090344	1
110106	1
110111	2
110178	4
606368	4

870027 KIT 630	
CODE	QTY
090344	1
090305	2
110111	2
110178	4

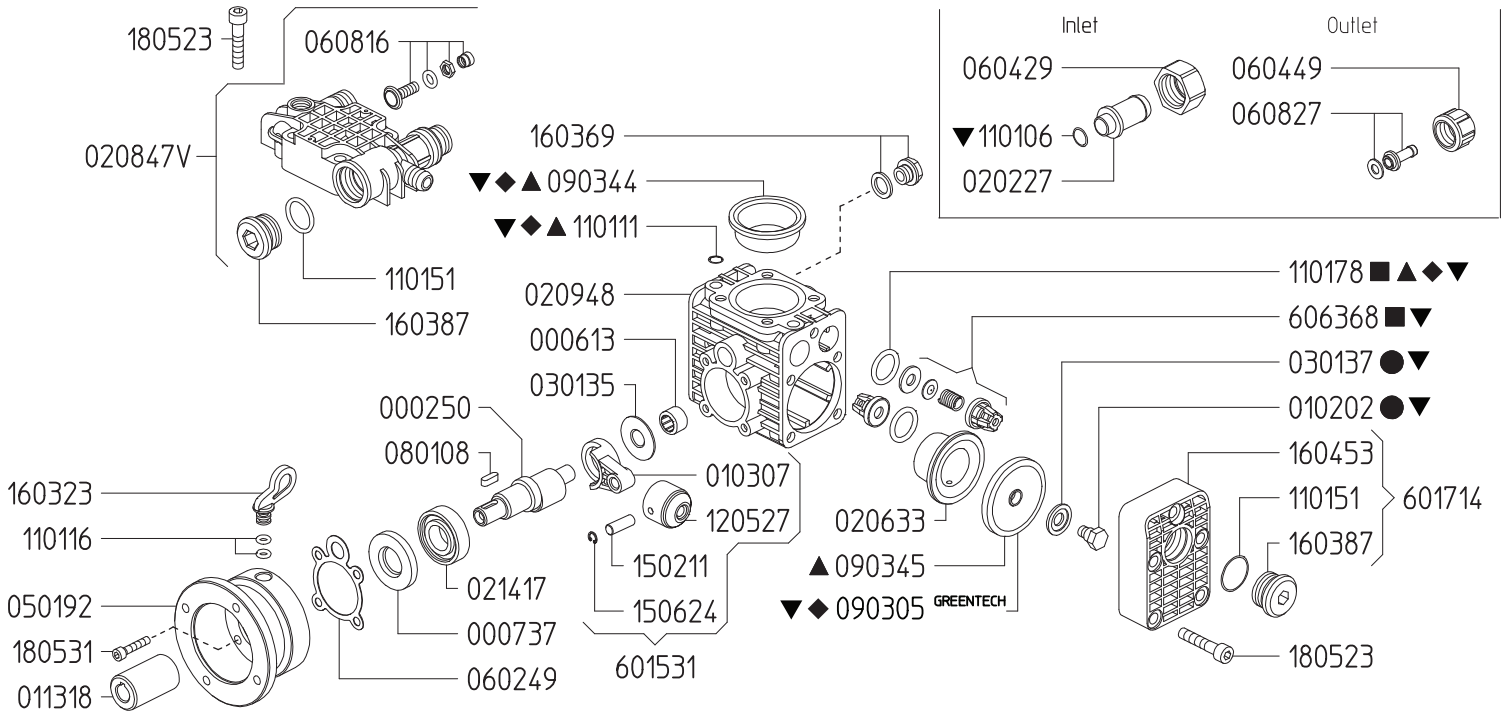
606201 KIT 500	
CODE	QTY
090344	1
090345	2
110111	2
110178	4

606202 KIT 501	
CODE	QTY
110178	4
606368	4

606204 KIT 503	
CODE	QTY
010202	2
030137	2

Maximum Flow	2.0 GPM / 7.6 lpm
Maximum Pressure	275 PSI / 20 bar
Maximum RPM	1450 RPM
Inlet Port - Hose Barb	3/4" HB
Outlet Ports - Hose Barb, Valve	3/8" HB
Bypass - Hose Barb	5/8" HB
Dimensions	6.6"L x 7.28"W x 6.02"H
Weight	14 lbs

Lubrication: Requires 4 oz. of Udor Lube 40W Premium Pump Oil.
Alternate Oil: 30W non-detergent or 15W-40 non-detergent oil.



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Part #	Description	Qty
0002.50	SHAFT "KAPPA 7"	1
0006.13	BUSHING D12	1
0007.37	OIL SEAL D20V	1
0102.02	DIAPHRAGM BOLT "IOTA/KAPPA 7" ●▼	2
0103.07	CONNECTING ROD "KAPPA 7"	2
0113.18	BUSHING "KAPPA 7" 12V	1
0202.27	HOSE BARB D19	1
0206.33	SLEEVE D30 "KAPPA 7"	2
0208.47V	ACCUMULATOR HEAD "KAPPA 12-VOLT"	1
0209.48	CRANKCASE "KAPPA 7"	1
0214.17	BALL BEARING D20	1
0301.35	BEARING DISC "KAPPA 7"	1
0301.37	DIAPHRAGM DISC "KAPPA 7" ●▼	2
0501.92	FLANGE "KAPPA 12-VOLT"	1
0602.49	GASKET "KAPPA 7"	1
0604.29	BARB NUT G3/4	1
0604.49	BARB NUT G1/2	1
0608.16	AIR VALVE ASSY	1
0608.27	HOSE BARB D8+GASKET	1
0801.08	KEY A5X5X15 UNI6604-69	1
0903.05	PISTON DIAPHRAGM D56 GREENTECH ◆▼	2
0903.44	ACCUMULATOR DIAPHRAGM ▲◆▼	1
0903.45	PISTON DIAPHRAGM D56 BUNA ▲	2
1101.06	O-RING - INLET HOSE BARB ▼	1
1101.11	O-RING - ACCUMULATOR HEAD ▲◆▼	2

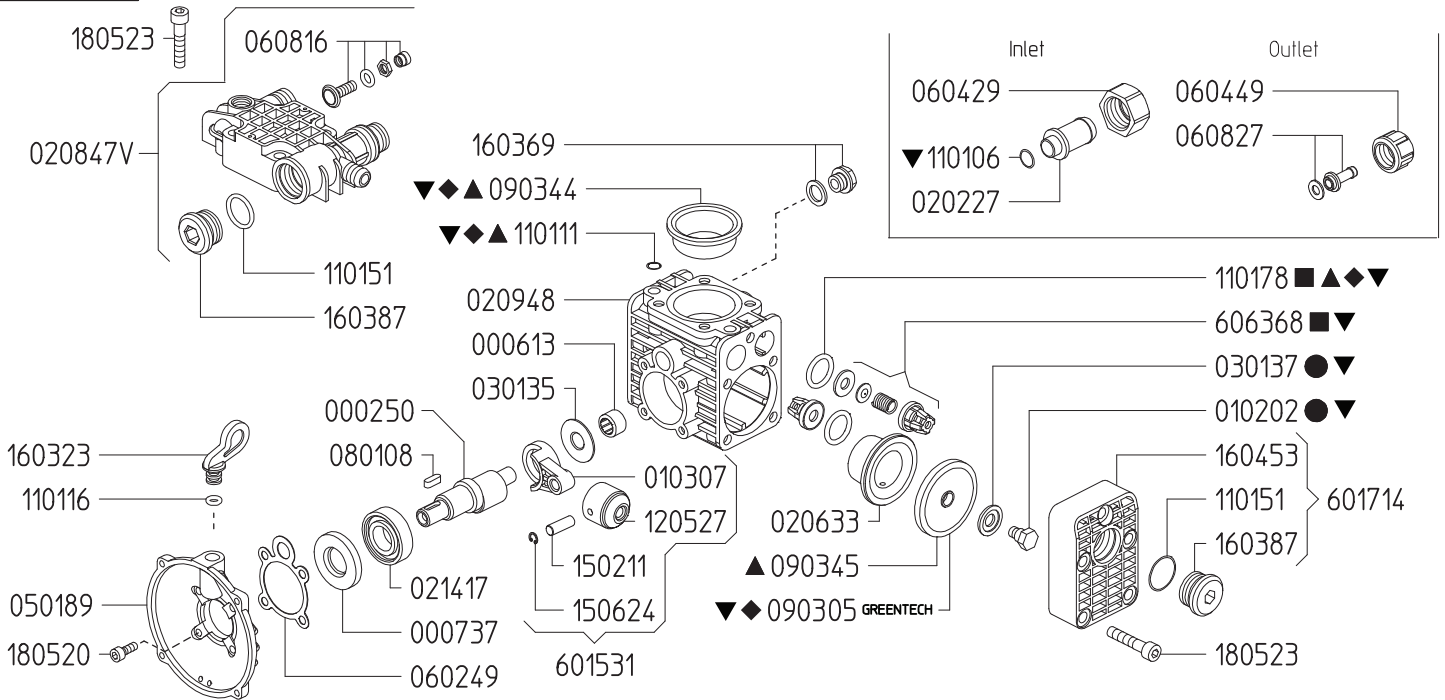
Part #	Description	Qty
1101.16	O-RING - OIL PLUG	2
1101.51	O-RING - PLUG	3
1101.78	O-RING - VALVE ▲◆◆▼	4
1205.27	ALUMINIUM PISTON D30 "KAPPA 7"	2
1502.11	PIN D8X22	2
1506.24	SNAP RING D8	2
1603.23	OIL PLUG	1
1603.69	OIL PLUG G1/4+GASKET	1
1603.87	PLUG G3/4	3
1604.53	HEAD "KAPPA 7"	2
1805.23	ALLEN BOLT M8X40	14
1805.31	ALLEN BOLT M6X30	4
6015.31	ROD ASSY "KAPPA 7" D30	2
6017.14	HEAD ASSY "KAPPA 7"	2
6063.68	VALVE ASSEMBLY W/O O-RING ■▼	4
6062.01	DIAPHRAGM KIT - BUNA (KIT 500)	1
6062.02	IN/OUTLET VALVE KIT (KIT 501)	1
6062.04	DIAPHRAGM DISC (KIT 503)	1
8700.27	DIAPHRAGM KIT - GREENTECH (KIT 630)	1
8700.27CK	COMPLETE REPAIR KIT	1

- ▲ Parts in 6062.01 (Kit 500).
- Parts in 6062.02 (Kit 501).
- Parts in 6062.04 (Kit 503).
- ◆ Parts in 8700.27 (Kit 630).
- ▼ Parts in 8700.27CK (Complete Repair Kit).

Maximum Flow	2.0 GPM / 7.6 lpm
Maximum Pressure	200 PSI / 15 bar
Maximum RPM	1450 RPM
Inlet Port - Hose Barb	3/4" HB
Outlet Ports - Hose Barb, Valve	3/8" HB
Bypass - Hose Barb	5/8" HB
Dimensions	6.6"L x 7.28"W x 6.02"H
Weight	14 lbs

Lubrication: Requires 4 oz. of Udor Lube 40W Premium Pump Oil.
Alternate Oil: 30W non-detergent or 15W-40 non-detergent oil.

8700.27CK		870027		606201		606202		606204	
CODE	QTY	CODE	QTY	CODE	QTY	CODE	QTY	CODE	QTY
010202	2	090344	1	090344	1	110178	4	010202	2
030137	2	090305	2	090345	2	606368	4	030137	2
090344	1	110111	2	110111	2				
110106	1	110178	4	110178	4				
110111	2								
110178	4								
606368	4								



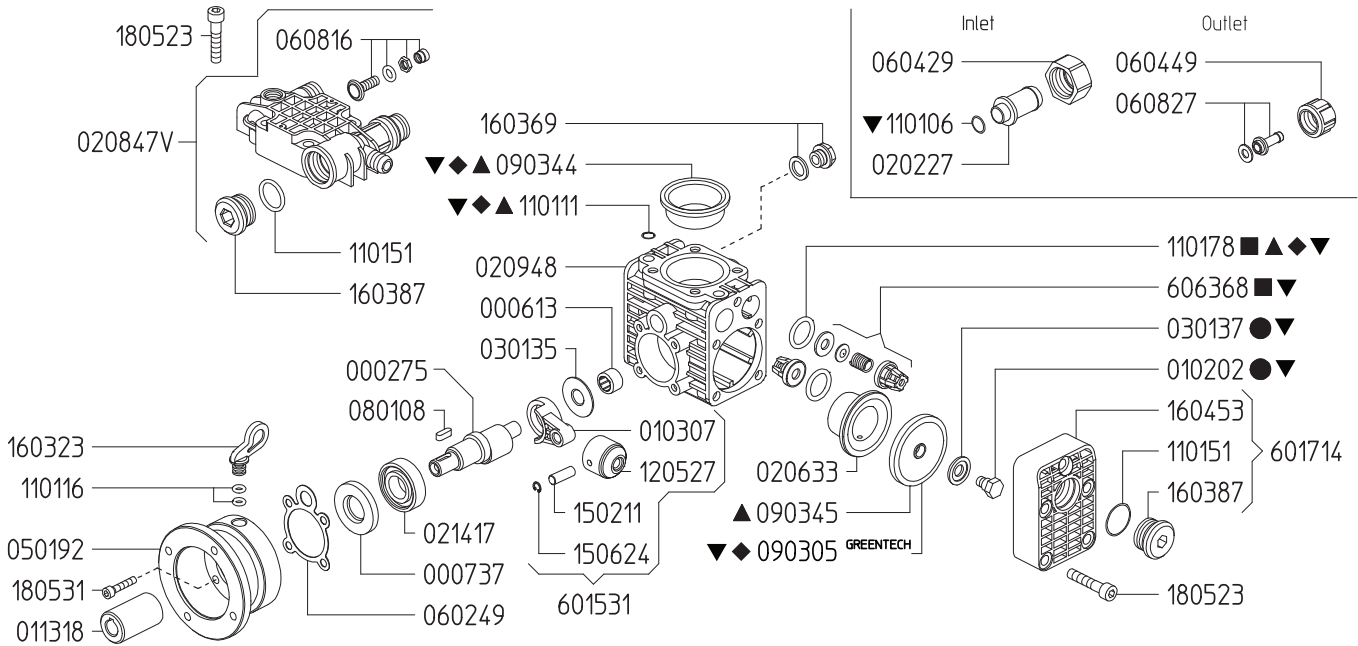
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Part #	Description	Qty	Part #	Description	Qty
0002.75	SHAFT "KAPPA 15"	1	1101.51	O-RING - PLUG	3
0006.13	BUSHING D12	1	1101.78	O-RING - VALVE▲■◆▼	4
0007.37	OIL SEAL D20V	1	1205.27	ALUMINIUM PISTON D30 "KAPPA 15"	2
0102.02	DIAPHRAGM BOLT "IOTA/KAPPA 15" ●▼	2	1502.11	PIN D8X22	2
0103.07	CONNECTING ROD "KAPPA 15"	2	1506.24	SNAP RING D8	2
0202.27	HOSE BARB D19	1	1603.23	OIL PLUG	1
0206.33	SLEEVE D30 "KAPPA 15"	2	1603.69	OIL PLUG G1/4+GASKET	1
0208.47V	ACCUMULATOR HEAD "KAPPA 12-VOLT"	1	1603.87	PLUG G3/4	3
0209.48	CRANKCASE "KAPPA 15"	1	1604.53	HEAD "KAPPA 15"	2
0214.17	BALL BEARING D20	1	1805.23	ALLEN BOLT M8X40	14
0301.35	BEARING DISC "KAPPA 15"	1	1805.31	ALLEN BOLT M6X30	4
0301.37	DIAPHRAGM DISC "KAPPA 15" ●▼	2	6015.31	ROD ASSY "KAPPA 15" D30	2
0501.89	FLANGE "KAPPA 115-VOLT"	1	6017.14	HEAD ASSY "KAPPA 15"	2
0602.49	GASKET "KAPPA 15"	1	6063.68	VALVE ASSEMBLY W/O O-RING ■▼	4
0604.29	BARB NUT G3/4	1	6062.01	DIAPHRAGM KIT - BUNA (KIT 500)	1
0604.49	BARB NUT G1/2	1	6062.02	IN/OUTLET VALVE KIT (KIT 501)	1
0608.16	AIR VALVE ASSY	1	6062.04	DIAPHRAGM DISC (KIT 503)	1
0608.27	HOSE BARB D8+GASKET	1	8700.27	DIAPHRAGM KIT - GREENTECH (KIT 630)	1
0801.08	KEY A5X5X15 UNI6604-69	1	8700.27CK	COMPLETE REPAIR KIT	1
0903.05	PISTON DIAPHRAGM D56 - GREENTECH ◆▼	2		▲ Parts in 6062.01 (Kit 500).	
0903.44	ACCUMULATOR DIAPH "KAPPA 15" ▲◆▼	1		■ Parts in 6062.02 (Kit 501).	
0903.45	PISTON DIAPHRAGM D56 - BUNA ▲	2		● Parts in 6062.04 (Kit 503).	
1101.06	O-RING - INLET HOSE BARB ▼	1		◆ Parts in 8700.27 (Kit 630).	
1101.11	O-RING - ACCUMULATOR HEAD ▲◆▼	2		▼ Parts in 8700.27CK (Complete Repair Kit).	
1101.16	O-RING - OIL PLUG	1			

Maximum Flow	3.5 GPM / 13.3 lpm
Maximum Pressure	275 PSI / 20 bar
Maximum RPM	1450 RPM
Inlet Port - Hose Barb	3/4" HB
Outlet Ports - Hose Barb, Valve	3/8" HB
Bypass - Hose Barb	5/8" HB
Dimensions	6.6"L x 7.28"W x 6.02"H
Weight	14 lbs

Lubrication: Requires 4 oz. of Udor Lube 40W Premium Pump Oil.
Alternate Oil: 30W non-detergent or 15W-40 non-detergent oil.

8700.27CK		870027 KIT 630		606201 KIT 500		606202 KIT 501		606204 KIT 503	
CODE	QTY	CODE	QTY	CODE	QTY	CODE	QTY	CODE	QTY
010202	2	090344	1	090344	1	110178	4	010202	2
030137	2	090305	2	090345	2	606368	4	030137	2
090305	2	110111	2	110111	2				
090344	1	110178	4	110178	4				
110106	1								
110111	2								
110178	4								
606368	4								



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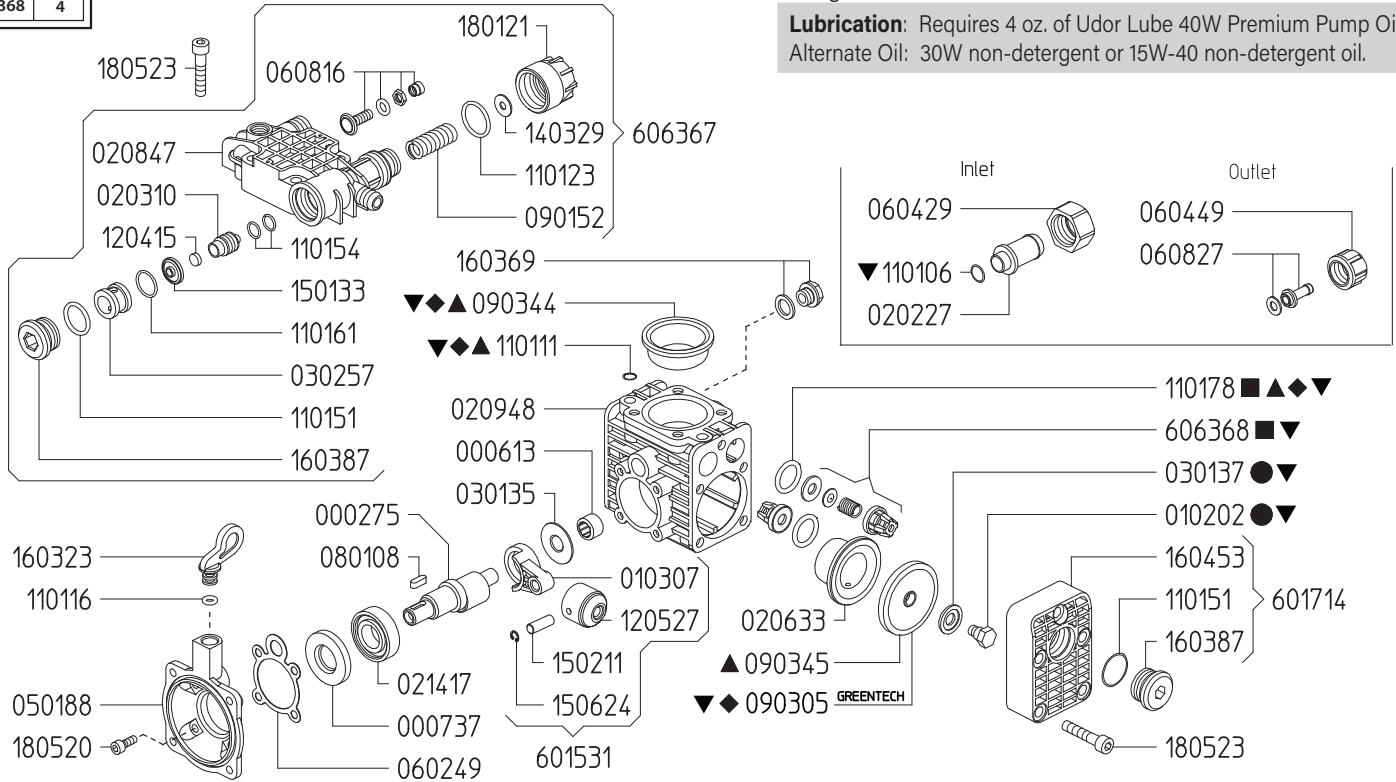
Part #	Description	Qty	Part #	Description	Qty
0002.50	SHAFT "KAPPA 7"	1	1101.16	O-RING - OIL PLUG	2
0006.13	BUSHING D12	1	1101.51	O-RING - PLUG	3
0007.37	OIL SEAL D20V	1	1101.78	O-RING - VALVE▲■◆▼	4
0102.02	DIAPHRAGM BOLT "IOTA/KAPPA 15" ●▼	2	1205.27	ALUMINIUM PISTON D30 "KAPPA 15"	2
0103.07	CONNECTING ROD "KAPPA 15"	2	1502.11	PIN D8X22	2
0113.18	BUSHING "KAPPA 15" 12V	1	1506.24	SNAP RING D8	2
0202.27	HOSE BARB D19	1	1603.23	OIL PLUG	1
0206.33	SLEEVE D30 "KAPPA 15"	2	1603.69	OIL PLUG G1/4+GASKET	1
0208.47V	ACCUMULATOR HEAD "KAPPA 12-VOLT"	1	1603.87	PLUG G3/4	3
0209.48	CRANKCASE "KAPPA 15"	1	1604.53	HEAD "KAPPA 15"	2
0214.17	BALL BEARING D20	1	1805.23	ALLEN BOLT M8X40	14
0301.35	BEARING DISC "KAPPA 15"	1	1805.31	ALLEN BOLT M6X30	4
0301.37	DIAPHRAGM DISC "KAPPA 15" ●▼	2	6015.31	ROD ASSY "KAPPA 15" D30	2
0501.92	FLANGE "KAPPA 12-VOLT"	1	6017.14	HEAD ASSY "KAPPA 15"	2
0602.49	GASKET "KAPPA 15"	1	6063.68	VALVE ASSEMBLY W/O O-RING ■▼	4
0604.29	BARB NUT G3/4	1	6062.01	DIAPHRAGM KIT - BUNA (KIT 500)	1
0604.49	BARB NUT G1/2	1	6062.02	IN/OUTLET VALVE KIT (KIT 501)	1
0608.16	AIR VALVE ASSY	1	6062.04	DIAPHRAGM BOLT/WASHER (KIT 503)	1
0608.27	HOSE BARB D8+GASKET	1	8700.27	DIAPHRAGM KIT - GREENTECH (KIT 630)	1
0801.08	KEY A5X5X15 UNI6604-69	1	8700.27CK	COMPLETE REPAIR KIT	1
0903.05	PISTON DIAPHRAGM D56 GREENTECH ◆▼	2			
0903.44	ACCUMULATOR DIAPHRAGM ▲◆▼	1			
0903.45	PISTON DIAPHRAGM D56 BUNA ▲	2			
1101.06	O-RING - INLET HOSE BARB ▼	1			
1101.11	O-RING - ACCUMULATOR HEAD ▲◆▼	2			

- ▲ Parts in 6062.01 (Kit 500).
- Parts in 6062.02 (Kit 501).
- Parts in 6062.04 (Kit 503).
- ◆ Parts in 8700.27 (Kit 630).
- ▼ Parts in 8700.27CK (Complete Repair Kit).

Maximum Flow	3.5 GPM / 13.3 lpm
Maximum Pressure	275 PSI / 20 bar
Maximum RPM	1450 RPM
Inlet Port - Hose Barb	3/4" HB
Outlet Ports - Hose Barb, Valve	3/8" HB
Bypass - Hose Barb	5/8" HB
Dimensions	6.6"L x 7.28"W x 6.02"H
Weight	14 lbs

Lubrication: Requires 4 oz. of Udor Lube 40W Premium Pump Oil.
Alternate Oil: 30W non-detergent or 15W-40 non-detergent oil.

8700.27CK		870027 KIT 630		606201 KIT 500		606202 KIT 501		606204 KIT 503	
CODE	QTY	CODE	QTY	CODE	QTY	CODE	QTY	CODE	QTY
010202	2	090344	1	090344	1	110178	4	010202	2
030137	2	090305	2	090345	2	606368	4	030137	2
090305	2	110111	2	110111	2				
090344	1	110178	4	110178	4				
110106	1								
110111	2								
110178	4								
606368	4								



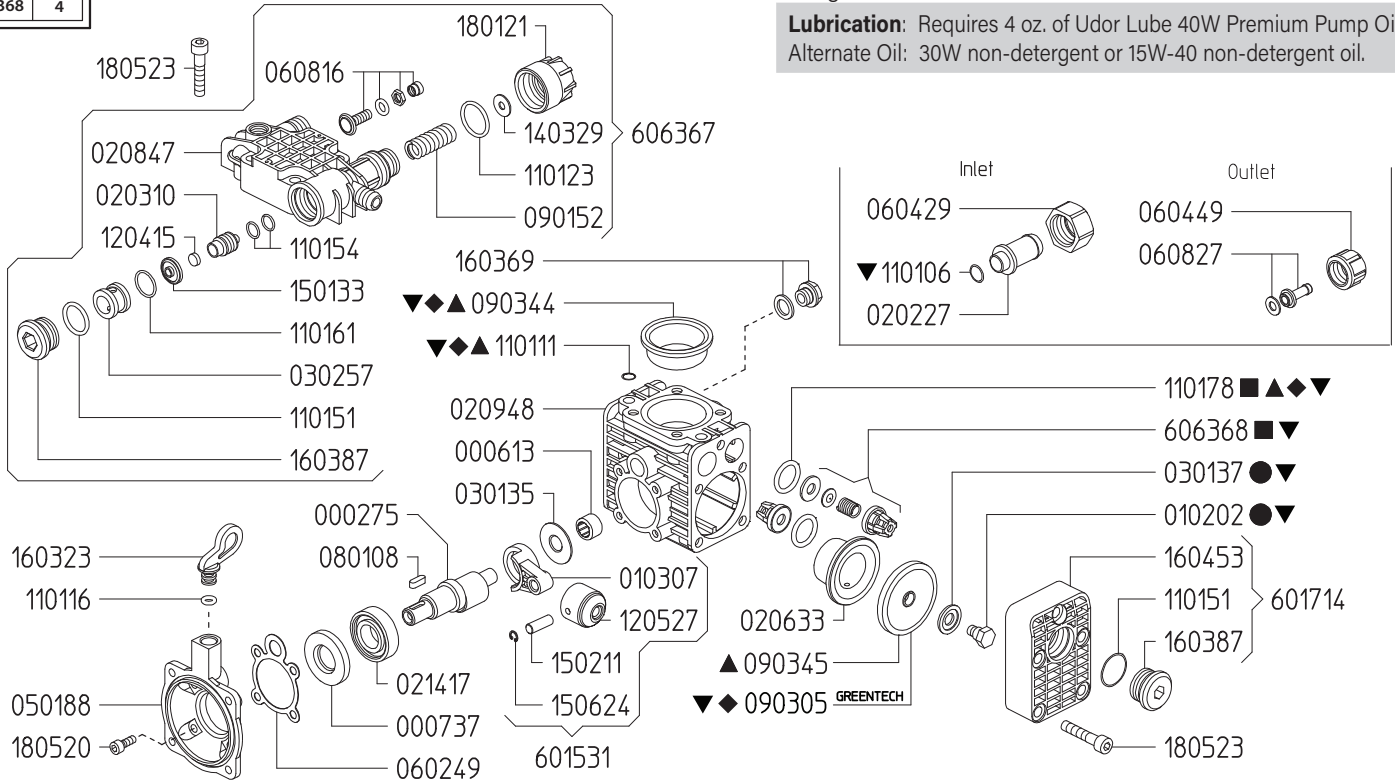
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Part #	Description	Qty	Part #	Description	Qty
0002.50	SHAFT "KAPPA 7"	1	1101.61	O-RING - REGULATOR	1
0006.13	BUSHING D12	1	1101.78	O-RING - VALVE▲■◆▼	4
0007.37	OIL SEAL D20V	1	1204.15	REGULATOR POPPET	1
0102.02	DIAPHRAGM BOLT "IOTA/KAPPA 15" ●▼	2	1205.27	ALUMINIUM PISTON D30 "KAPPA 15"	2
0103.07	CONNECTING ROD "KAPPA 15"	2	1403.29	WASHER D6.5	1
0202.27	HOSE BARB D19	1	1501.33	VALVE SEAT	1
0203.10	REGULATOR VALVE COLLAR	1	1502.11	PIN D8X22	2
0206.33	SLEEVE D30 "KAPPA 15"	2	1506.24	SNAP RING D8	2
0208.47	ACCUMULATOR HEAD	1	1603.23	OIL PLUG	1
0209.48	CRANKCASE "KAPPA 15"	1	1603.69	OIL PLUG G1/4+GASKET	1
0214.17	BALL BEARING D20	1	1603.87	PLUG G3/4	3
0301.35	BEARING DISC "KAPPA 15"	1	1604.53	HEAD "KAPPA 15"	2
0301.37	DIAPHRAGM DISC "KAPPA 15" ●▼	2	1801.21	ADJUSTMENT KNOB - REGULATOR	1
0501.88	FLANGE "KAPPA 15 GR3/4"	1	1805.20	ALLEN BOLT M6X16	4
0602.49	GASKET "KAPPA 15"	1	1805.23	ALLEN BOLT M8X40	14
0604.29	BARB NUT G3/4	1	6015.31	ROD ASSY "KAPPA 15" D30	2
0604.49	BARB NUT G1/2	1	6017.14	HEAD ASSY "KAPPA 15"	2
0608.16	AIR VALVE ASSY	1	6063.67	DISCHARGE MANIFOLD ASSEMBLY	1
0608.27	HOSE BARB D8+GASKET	1	6063.68	VALVE ASSEMBLY W/O O-RING ■▼	4
0801.08	KEY A5X5X15 UNI6604-69	1	6062.01	DIAPHRAGM KIT - BUNA (KIT 500)	1
0901.52	REGULATOR SPRING	1	6062.02	IN/OUTLET VALVE KIT (KIT 501)	1
0903.05	PISTON DIAPHRAGM D56 GREENTECH ◆▼	2	6062.04	DIAPHRAGM DISC (KIT 503)	1
0903.44	ACCUMULATOR DIAPHRAGM ▲◆◆▼	1	8700.27	DIAPHRAGM KIT - GREENTECH (KIT 630)	1
0903.45	PISTON DIAPHRAGM D56 BUNA ▲	2	8700.27CK	COMPLETE REPAIR KIT	1
1101.06	O-RING - INLET HOSE BARB ▼	1		▲ Parts in 6062.01 (Kit 500).	
1101.11	O-RING - ACCUMULATOR HEAD ▲◆◆▼	2		■ Parts in 6062.02 (Kit 501).	
1101.16	O-RING - OIL PLUG	1		● Parts in 6062.04 (Kit 503).	
1101.23	O-RING - REGULATOR KNOB	1		◆ Parts in 8700.27 (Kit 630).	
1101.51	O-RING - PLUG	3		▼ Parts in 8700.27CK (Complete Repair Kit).	
1101.54	O-RING - REGULATOR	2			

Maximum Flow	3.5 GPM / 13.3 lpm
Maximum Pressure	275 PSI / 20 bar
Maximum RPM	1450 RPM
Inlet Port - Hose Barb	3/4" HB
Outlet Ports - Hose Barb, Valve	3/8" HB
Bypass - Hose Barb	5/8" HB
Dimensions	6.6"L x 7.28"W x 6.02"H
Weight	14 lbs

Lubrication: Requires 4 oz. of Udor Lube 40W Premium Pump Oil.
Alternate Oil: 30W non-detergent or 15W-40 non-detergent oil.

8700.27CK		870027 KIT 630		606201 KIT 500		606202 KIT 501		606204 KIT 503	
CODE	QTY	CODE	QTY	CODE	QTY	CODE	QTY	CODE	QTY
010202	2	090344	1	090344	1	110178	4	010202	2
030137	2	090305	2	090345	2	606368	4	030137	2
090305	2	110111	2	110111	2				
090344	1	110178	4	110178	4				
110106	1								
110111	2								
110178	4								
606368	4								



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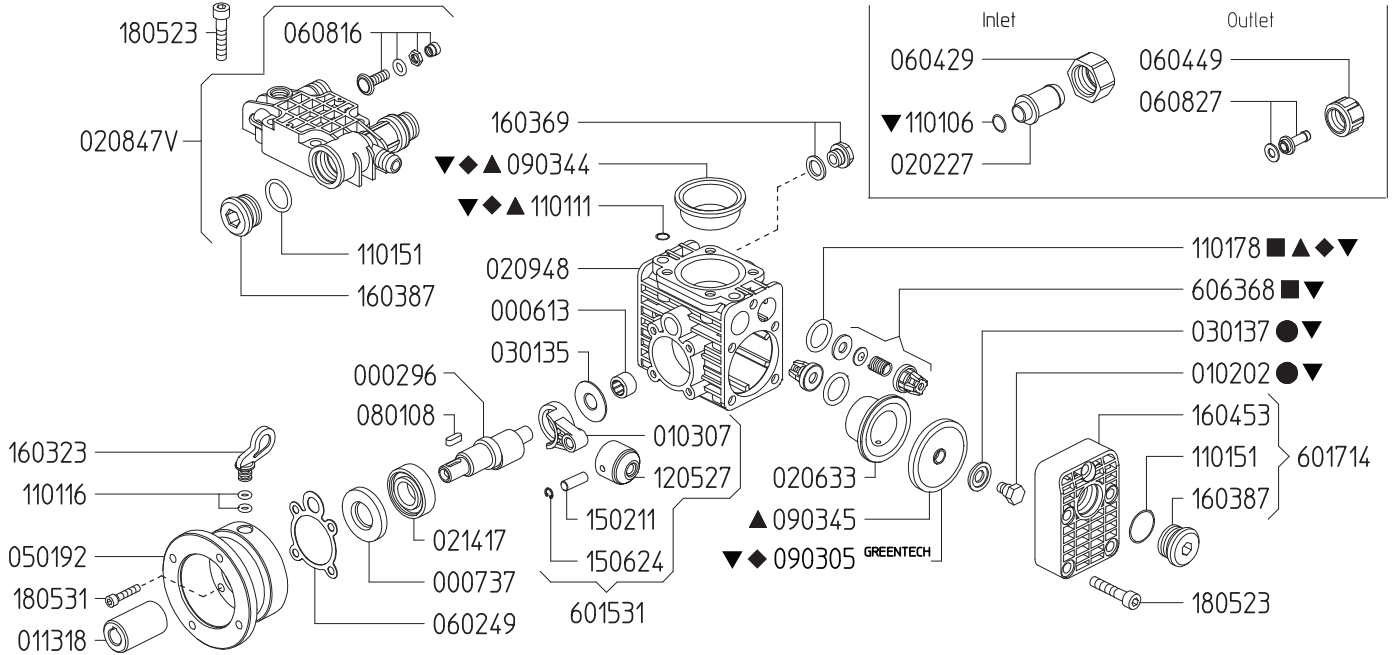
Part #	Description	Qty	Part #	Description	Qty
0002.50	SHAFT "KAPPA 7"	1	1101.61	O-RING - REGULATOR	1
0006.13	BUSHING D12	1	1101.78	O-RING - VALVE▲■◆▼	4
0007.37	OIL SEAL D20V	1	1204.15	REGULATOR POPPET	1
0102.02	DIAPHRAGM BOLT "IOTA/KAPPA 15"●▼	2	1205.27	ALUMINIUM PISTON D30 "KAPPA 15"	2
0103.07	CONNECTING ROD "KAPPA 15"	2	1403.29	WASHER D6.5	1
0202.27	HOSE BARB D19	1	1501.33	VALVE SEAT	1
0203.10	REGULATOR VALVE COLLAR	1	1502.11	PIN D8X22	2
0206.33	SLEEVE D30 "KAPPA 15"	2	1506.24	SNAP RING D8	2
0208.47	ACCUMULATOR HEAD	1	1603.23	OIL PLUG	1
0209.48	CRANKCASE "KAPPA 15"	1	1603.69	OIL PLUG G1/4+GASKET	1
0214.17	BALL BEARING D20	1	1603.87	PLUG G3/4	3
0301.35	BEARING DISC "KAPPA 15"	1	1604.53	HEAD "KAPPA 15"	2
0301.37	DIAPHRAGM DISC "KAPPA 15"●▼	2	1801.21	ADJUSTMENT KNOB - REGULATOR	1
0501.88	FLANGE "KAPPA 15 GR3/4"	1	1805.20	ALLEN BOLT M6X16	4
0602.49	GASKET "KAPPA 15"	1	1805.23	ALLEN BOLT M8X40	14
0604.29	BARB NUT G3/4	1	6015.31	ROD ASSY "KAPPA 15" D30	2
0604.49	BARB NUT G1/2	1	6017.14	HEAD ASSY "KAPPA 15"	2
0608.16	AIR VALVE ASSY	1	6063.67	DISCHARGE MANIFOLD ASSEMBLY	1
0608.27	HOSE BARB D8+GASKET	1	6063.68	VALVE ASSEMBLY W/O O-RING■▼	4
0801.08	KEY A5X5X15 UNI6604-69	1	6062.01	DIAPHRAGM KIT - BUNA (KIT 500)	1
0901.52	REGULATOR SPRING	1	6062.02	IN/OUTLET VALVE KIT (KIT 501)	1
0903.05	PISTON DIAPHRAGM D56 GREENTECH◆▼	2	6062.04	DIAPHRAGM DISC (KIT 503)	1
0903.44	ACCUMULATOR DIAPHRAGM▲◆▼	1	8700.27	DIAPHRAGM KIT - GREENTECH (KIT 630)	1
0903.45	PISTON DIAPHRAGM D56 BUNA▲	2	8700.27CK	COMPLETE REPAIR KIT	1
1101.06	O-RING - INLET HOSE BARB▼	1			
1101.11	O-RING - ACCUMULATOR HEAD▲◆▼	2			
1101.16	O-RING - OIL PLUG	1			
1101.23	O-RING - REGULATOR KNOB	1			
1101.51	O-RING - PLUG	3			
1101.54	O-RING - REGULATOR	2			

- ▲ Parts in 6062.01 (Kit 500).
- Parts in 6062.02 (Kit 501).
- Parts in 6062.04 (Kit 503).
- ◆ Parts in 8700.27 (Kit 630).
- ▼ Parts in 8700.27CK (Complete Repair Kit).

Maximum Flow	4.2 GPM / 16 lpm
Maximum Pressure	275 PSI / 20 bar
Maximum RPM	1450 RPM
Inlet Port - Hose Barb	3/4" HB
Outlet Ports - Hose Barb, Valve	3/8" HB
Bypass - Hose Barb	5/8" HB
Dimensions	6.6"L x 7.28"W x 6.02"H
Weight	14 lbs

Lubrication: Requires 4 oz. of Udor Lube 40W Premium Pump Oil.
Alternate Oil: 30W non-detergent or 15W-40 non-detergent oil.

8700.27CK		870027 KIT 630		606201 KIT 500		606202 KIT 501		606204 KIT 503	
CODE	QTY	CODE	QTY	CODE	QTY	CODE	QTY	CODE	QTY
010202	2	090344	1	090344	1	110178	4	010202	2
030137	2	090305	2	090345	2	110111	2	030137	2
090305	2	110111	2	110111	2	606368	4		
090344	1	110178	4	110178	4				
110106	1								
110111	2								
110178	4								
606368	4								



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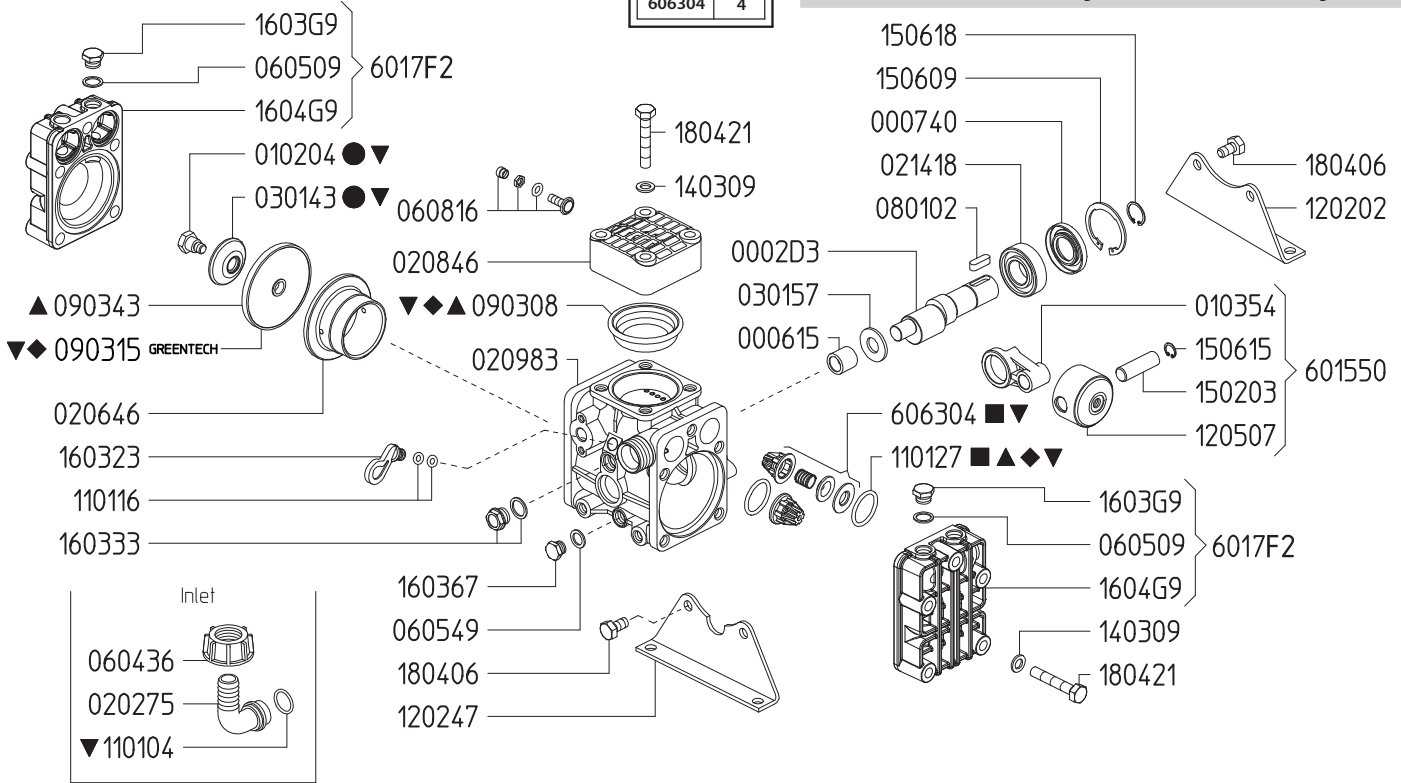
Part #	Description	Qty	Part #	Description	Qty
0002.96	SHAFT "KAPPA 18"	1	1101.16	O-RING - OIL PLUG	2
0006.13	BUSHING D12	1	1101.51	O-RING - PLUG	3
0007.37	OIL SEAL D20V	1	1101.78	O-RING - VALVE▲■◆▼	4
0102.02	DIAPHRAGM BOLT "IOTA/KAPPA 18" ●▼	2	1205.27	ALUMINIUM PISTON D30 "KAPPA 15"	2
0103.07	CONNECTING ROD "KAPPA 18"	2	1502.11	PIN D8X22	2
0113.18	BUSHING "KAPPA 18" 12V	1	1506.24	SNAP RING D8	2
0202.27	HOSE BARB D19	1	1603.23	OIL PLUG	1
0206.33	SLEEVE D30 "KAPPA 18"	2	1603.69	OIL PLUG G1/4+GASKET	1
0208.47V	ACCUMULATOR HEAD "KAPPA 12-VOLT"	1	1603.87	PLUG G3/4	3
0209.48	CRANKCASE "KAPPA 18"	1	1604.53	HEAD "KAPPA 18"	2
0214.17	BALL BEARING D20	1	1805.23	ALLEN BOLT M8X40	14
0301.35	BEARING DISC "KAPPA 18"	1	1805.31	ALLEN BOLT M6X30	4
0301.37	DIAPHRAGM DISC "KAPPA 18" ●▼	2	6015.31	ROD ASSY "KAPPA 15" D30	2
0501.92	FLANGE "KAPPA 12-VOLT"	1	6017.14	HEAD ASSY "KAPPA 18"	2
0602.49	GASKET "KAPPA 18"	1	6063.68	VALVE ASSEMBLY W/O O-RING ■▼	4
0604.29	BARB NUT G3/4	1	6062.01	DIAPHRAGM KIT - BUNA (KIT 500)	1
0604.49	BARB NUT G1/2	1	6062.02	IN/OUTLET VALVE KIT (KIT 501)	1
0608.16	AIR VALVE ASSY	1	6062.04	DIAPHRAGM DISC (KIT 503)	1
0608.27	HOSE BARB D8+GASKET	1	8700.27	DIAPHRAGM KIT - GREENTECH (KIT 630)	1
0801.08	KEY A5X5X15 UNI6604-69	1	8700.27CK	COMPLETE REPAIR KIT	1
0903.05	PISTON DIAPHRAGM D56 GREENTECH ◆▼	2			
0903.44	ACCUMULATOR DIAPHRAGM ▲◆▼	1			
0903.45	PISTON DIAPHRAGM D56 BUNA ▲	2			
1101.06	O-RING - INLET HOSE BARB ▼	1			
1101.11	O-RING - ACCUMULATOR HEAD ▲◆▼	2			

- ▲ Parts in 6062.01 (Kit 500).
- Parts in 6062.02 (Kit 501).
- Parts in 6062.04 (Kit 503).
- ◆ Parts in 8700.27 (Kit 630).
- ▼ Parts in 8700.27CK (Complete Repair Kit).

Maximum Flow	7.0 GPM / 26.5 lpm
Maximum Pressure	350 PSI / 24 bar
Maximum RPM	550 RPM
Inlet Port - Hose Barb	1" HB
Outlet Ports - Hose Barb, Valve	(2) 1/2" HB
Bypass - Hose Barb	3/4" HB
Dimensions - Pump Only	8.5"L x 9.0"W x 9.5"H
Weight - with GR	28 lbs

Lubrication: Requires 12 oz. of Udor Lube 40W Premium Pump Oil.
Alternate Oil: 30W non-detergent or 15W-40 non-detergent oil.

6062C1 KIT 618		6062B5 KIT 613		6062A2 KIT 541		6062B4 KIT 612		8700.65CK	
CODE	QTY	CODE	QTY	CODE	QTY	CODE	QTY	CODE	QTY
090308	1	090308	1	110127	4	010204	2	010204	2
090315	2	090343	2	606304	4	030143	2	030143	2
110127	4	110127	4					010204	2
								030143	2
								090308	1
								090315	2
								110104	1
								110127	4
								606304	4



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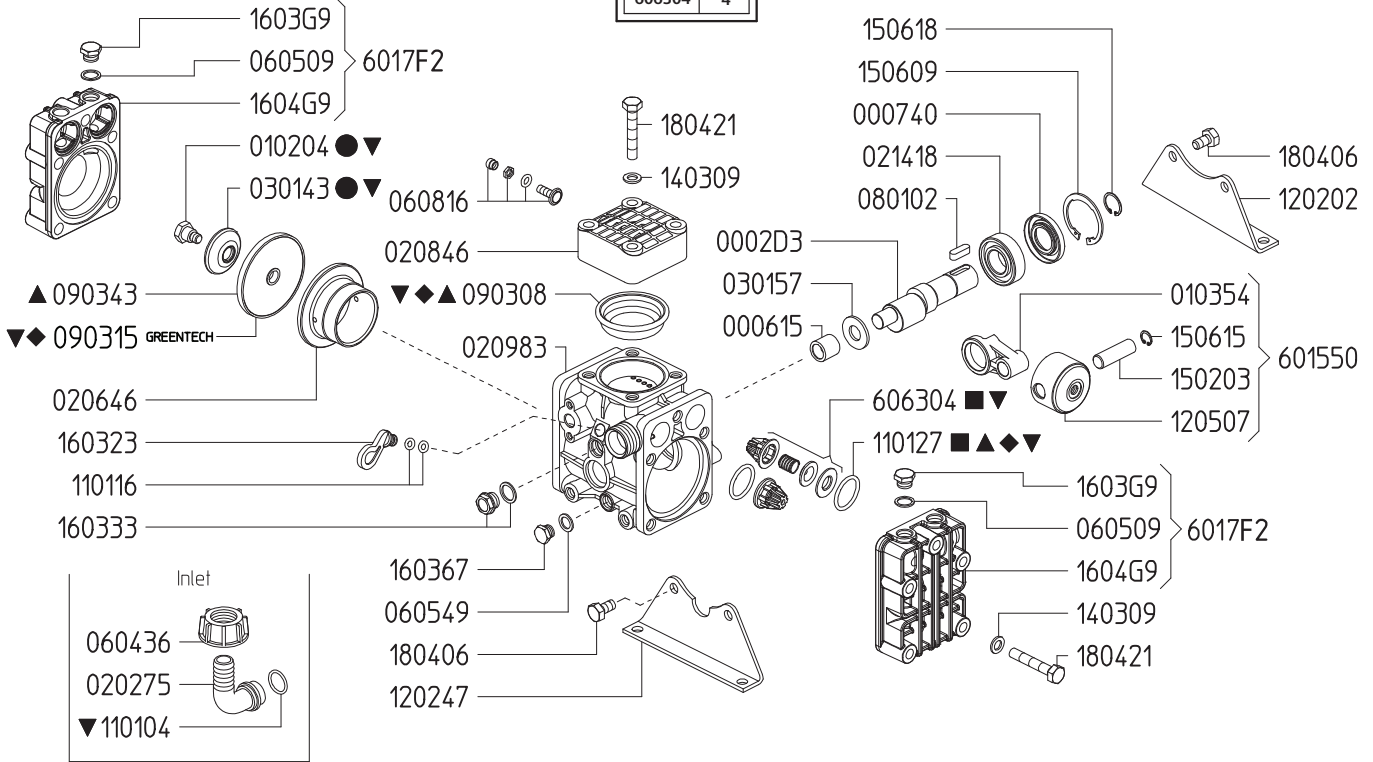
Part #	Description	Qty	Part #	Description	Qty
0002.D3	SHAFT "KAPPA 25" GR	1	1502.03	PIN D15X48	2
0006.15	BUSHING D16	1	1506.09	SNAP RING D52	1
0007.40	OIL SEAL D45	1	1506.15	SNAP RING D15	2
0102.04	DIAPHRAGM BOLT "DELTA/ZETA" ●▼	2	1506.18	SNAP RING D25	1
0103.54	CONNECTING ROD "KAPPA 25/32"	2	1603.23	OIL PLUG	1
0202.75	HOSE BARB D25	1	1603.33	PLUG G3/8+GASKET	1
0206.46	SLEEVE D55 "KAPPA 25"	2	1603.67	PLUG G1/4	1
0214.18	BALL BEARING D25	1	1603.G9	PLUG G3/8	4
0301.43	DIAPHRAGM DISC "KAPPA 25/33/55/ZETA" ●▼	2	1604.G9	HEAD "KAPPA 25/33/55"	2
0301.57	SPACER "KAPPA 15"	1	1804.06	HEX BOLT M8X40	4
0604.36	BARB NUT G1"	1	1804.21	HEX BOLT M10X55	10
0605.09	GASKET D17	4	6015.50	ROD ASSY "KAPPA 25/32" D55	2
0605.49	GASKET D13	1	6017.F2	HEAD ASSEMBLY	2
0801.02	KEY A8X7X25 UNI6604-69	1	6063.04	VALVE ASSEMBLY W/O O-RING ■▼	4
0903.08	ACCUMULATOR DIAPHRAGM ◆▲▼	1	6062.42	IN/OUTLET VALVE KIT "KAPPA 25" (KIT 541)	1
0903.15	PISTON DIAPHRAGM D90 - GREENTECH ◆▼	2	6062.B4	DIAPHRAGM DISC "KAPPA 25/32" (KIT 612)	1
0903.43	PISTON DIAPHRAGM D90 - BUNA ▲	2	6062.B5	DIAPHRAGM KIT - BUNA (KIT 613)	1
1101.04	O-RING - INLET HOSE BARB ▼	1	6062.C1	DIAPHRAGM KIT - GREENTECH (KIT 618)	1
1101.16	O-RING - OIL PLUG	2	8700.65CK	COMPLETE REPAIR KIT	1
1101.27	O-RING - VALVE ◆▲■▼	4			
1202.02	BASE PLATE "KAPPA 25/32/DELTA 40/50"	1			
1202.47	BASE PLATE "KAPPA 25/32"	1			
1205.07	ALUMINIUM PISTON D55 "KAPPA 25/DELTA 40"	2			
1403.09	WASHER D10.5	10			

- Parts in 6062.42 (Kit 541).
- Parts in 6062.B4 (Kit 612).
- ▲ Parts in 6062.B5 (Kit 613).
- ◆ Parts in 6062.C1 (Kit 618).
- ▼ Parts in 8700.65CK (Complete Repair Kit).

Maximum Flow	7.0 GPM / 26.5 lpm
Maximum Pressure	350 PSI / 24 bar
Maximum RPM	550 RPM
Inlet Port - Hose Barb	1" HB
Outlet Ports - Hose Barb, Valve	(2) 1/2" HB
Bypass - Hose Barb	3/4" HB
Dimensions	8.5"L x 9.0"W x 9.5"H
Weight	18 lbs

Lubrication: Requires 12 oz. of Udor Lube 40W Premium Pump Oil.
Alternate Oil: 30W non-detergent or 15W-40 non-detergent oil.

6062C1 KIT 618		6062B5 KIT 613		606242 KIT 541		6062B4 KIT 612		8700.65CK	
CODE	QTY	CODE	QTY	CODE	QTY	CODE	QTY	CODE	QTY
090308	1	090308	1	110127	4	010204	2	010204	2
090315	2	090343	2	606304	4	030143	2	030143	2
110127	4	110127	4					010204	2
								110104	1
								110127	4
								606304	4



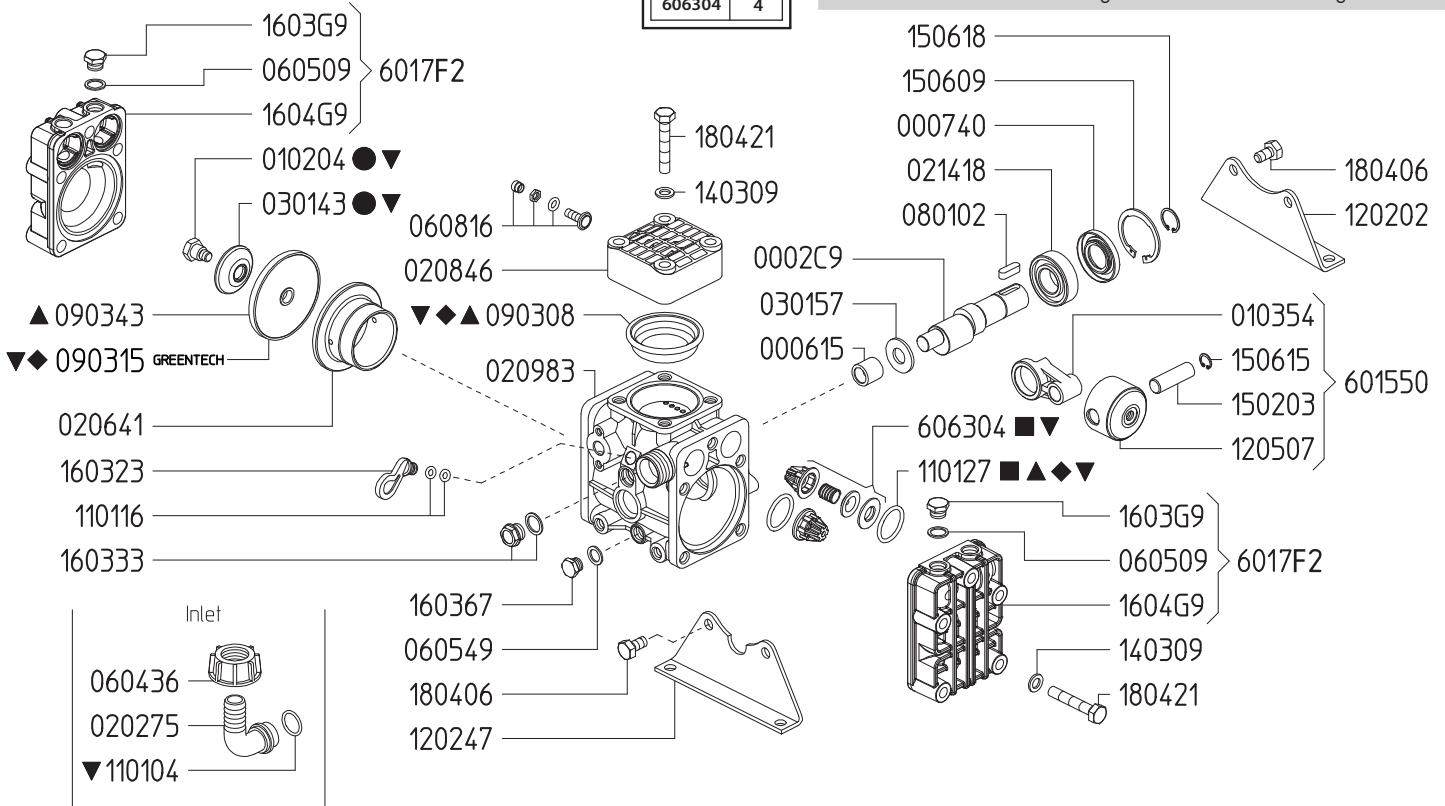
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Part #	Description	Qty	Part #	Description	Qty
0002.D3	SHAFT "KAPPA 25" GR	1	1502.03	PIN D15X48	2
0006.15	BUSHING D16	1	1506.09	SNAP RING D52	1
0007.40	OIL SEAL D45	1	1506.15	SNAP RING D15	2
0102.04	DIAPHRAGM BOLT "DELTA/ZETA" ●▼	2	1506.18	SNAP RING D25	1
0103.54	CONNECTING ROD "KAPPA 25/32"	2	1603.23	OIL PLUG	1
0202.75	HOSE BARB D25	1	1603.33	PLUG G3/8+GASKET	1
0206.46	SLEEVE D55 "KAPPA 25"	2	1603.67	PLUG G1/4	1
0214.18	BALL BEARING D25	1	1603.G9	PLUG G3/8	4
0301.43	DIAPHRAGM DISC "KAPPA 25/33/55/ZETA" ●▼	2	1604.G9	HEAD "KAPPA 25/33/55"	2
0301.57	SPACER "KAPPA 15"	1	1804.06	HEX BOLT M8X40	4
0604.36	BARB NUT G1"	1	1804.21	HEX BOLT M10X55	10
0605.09	GASKET D17	4	6015.50	ROD ASSY "KAPPA 25/32" D55	2
0605.49	GASKET D13	1	6017.F2	HEAD ASSEMBLY	2
0801.02	KEY A8X7X25 UNI6604-69	1	6063.04	VALVE ASSEMBLY W/O O-RING ■▼	4
0903.08	ACCUMULATOR DIAPHRAGM ◆▲▼	1	6062.42	IN/OUTLET VALVE KIT "KAPPA 25" (KIT 541)	1
0903.15	PISTON DIAPHRAGM D90 - GREENTECH ◆▼	2	6062.B4	DIAPHRAGM DISC "KAPPA 25/32" (KIT 612)	1
0903.43	PISTON DIAPHRAGM D90 - BUNA ▲	2	6062.B5	DIAPHRAGM KIT - BUNA (KIT 613)	1
1101.04	O-RING - INLET HOSE BARB ▼	1	6062.C1	DIAPHRAGM KIT - GREENTECH (KIT 618)	1
1101.16	O-RING - OIL PLUG	2	8700.65CK	COMPLETE REPAIR KIT	1
1101.27	O-RING - VALVE ◆▲■▼	4		■ Parts in 6062.42 (Kit 541).	
1202.02	BASE PLATE "KAPPA 25/32/DELTA 40/50"	1		● Parts in 6062.B4 (Kit 612).	
1202.47	BASE PLATE "KAPPA 25/32"	1		▲ Parts in 6062.B5 (Kit 613).	
1205.07	ALUMINIUM PISTON D55 "KAPPA 25/DELTA 40"	2		◆ Parts in 6062.C1 (Kit 618).	
1403.09	WASHER D10.5	10		▼ Parts in 8700.65CK (Complete Repair Kit).	

Maximum Flow	9.5 GPM / 36 lpm
Maximum Pressure	560 PSI / 38 bar
Maximum RPM	550 RPM
Inlet Port - Hose Barb	1" HB
Outlet Ports - Hose Barb, Valve	(2) 1/2" HB
Bypass - Hose Barb	3/4" HB
Dimensions - Pump Only	8.5"L x 9.0"W x 9.5"H
Weight - with GR	28 lbs

Lubrication: Requires 12 oz. of Udor Lube 40W Premium Pump Oil.
Alternate Oil: 30W non-detergent or 15W-40 non-detergent oil.

6062C1 KIT 618		6062B5 KIT 613		6062A2 KIT 541		6062B4 KIT 612		8700.65CK	
CODE	QTY	CODE	QTY	CODE	QTY	CODE	QTY	CODE	QTY
090308	1	090308	1	110127	4	010204	2	010204	2
090315	2	090343	2	606304	4	030143	2	030143	2
110127	4	110127	4					090308	2
								090315	2
								110104	1
								110127	4
								606304	4



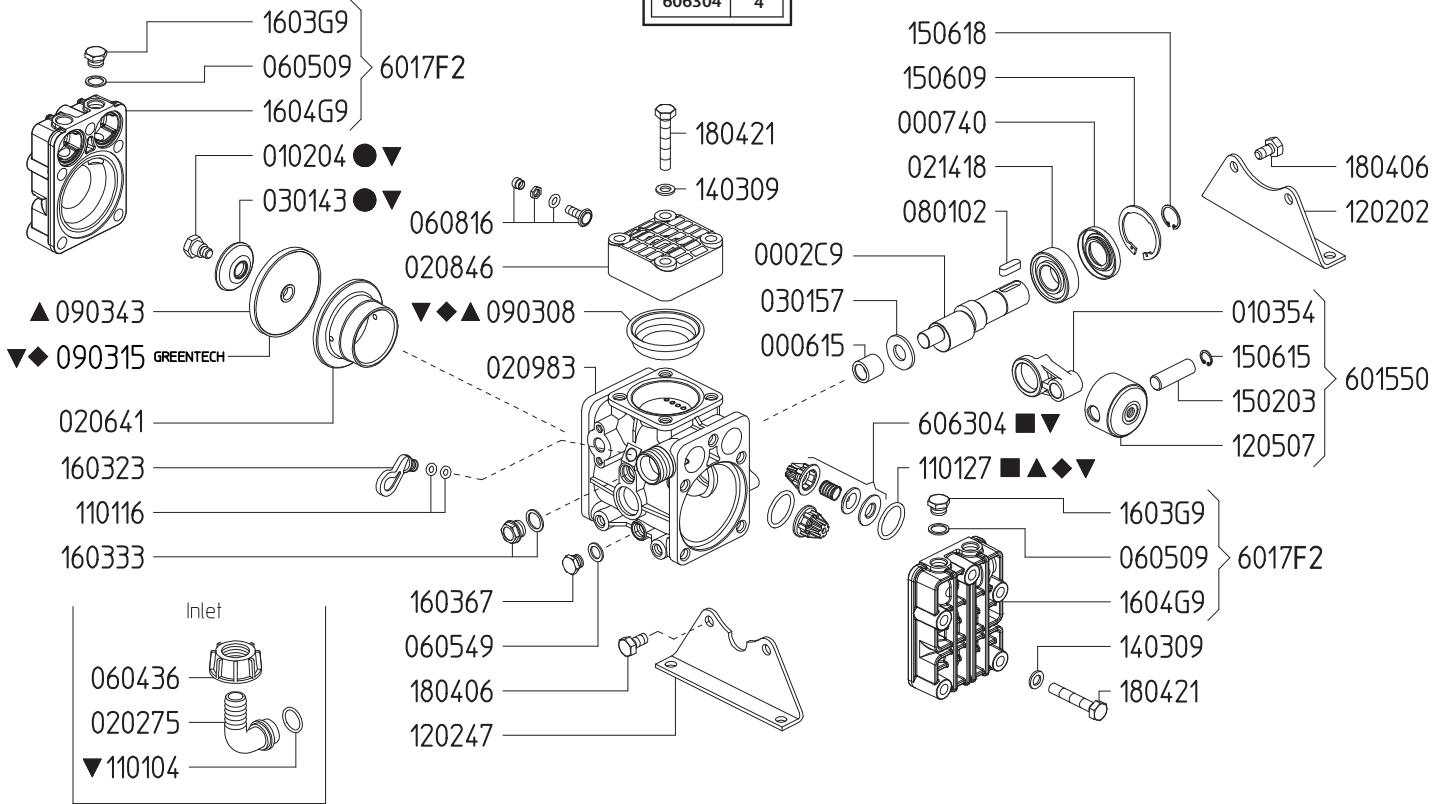
Revised 1-21-2022

Part #	Description	Qty	Part #	Description	Qty
0002.C9	SHAFT "KAPPA 32" GR	1	1502.03	PIN D15X48	2
0006.15	BUSHING D16	1	1506.09	SNAP RING D52	1
0007.40	OIL SEAL D45	1	1506.15	SNAP RING D15	2
0102.04	DIAPHRAGM BOLT "DELTA/ZETA" ●▼	2	1506.18	SNAP RING D25	1
0103.54	CONNECTING ROD "KAPPA 25/32"	2	1603.23	OIL PLUG	1
0202.75	HOSE BARB D25	1	1603.33	PLUG G3/8+GASKET	1
0206.41	SLEEVE D55 "KAPPA 32"	2	1603.67	PLUG G1/4	1
0214.18	BALL BEARING D25	1	1603.G9	PLUG G3/8	4
0301.43	DIAPHRAGM DISC "KAPPA 25/33/55/ZETA" ●▼	2	1604.G9	HEAD "KAPPA 25/33/55"	2
0301.57	SPACER "KAPPA 15"	1	1804.06	HEX BOLT M8X40	4
0604.36	BARB NUT G1"	1	1804.21	HEX BOLT M10X55	10
0605.09	GASKET D17	4	6015.50	ROD ASSY "KAPPA 25/32" D55	2
0605.49	GASKET D13	1	6017.F2	HEAD ASSEMBLY	2
0801.02	KEY A8X7X25 UNI6604-69	1	6063.04	VALVE ASSEMBLY W/O O-RING ■▼	4
0903.08	ACCUMULATOR DIAPHRAGM ◆▲▼	1	6062.42	IN/OUTLET VALVE KIT "KAPPA 25" (KIT 541)	1
0903.15	PISTON DIAPHRAGM D90 - GREENTECH ◆▼	2	6062.B4	DIAPHRAGM DISC "KAPPA 25/32" (KIT 612)	1
0903.43	PISTON DIAPHRAGM D90 - BUNA ▲	2	6062.B5	DIAPHRAGM KIT - BUNA (KIT 613)	1
1101.04	O-RING - INLET HOSE BARB ▼	1	6062.C1	DIAPHRAGM KIT - GREENTECH (KIT 618)	1
1101.16	O-RING - OIL PLUG	2	8700.65CK	COMPLETE REPAIR KIT	1
1101.27	O-RING - VALVE ◆▲■▼	4		■ Parts in 6062.42 (Kit 541).	
1202.02	BASE PLATE "KAPPA 25/32/DELTA 40/50"	1		● Parts in 6062.B4 (Kit 612).	
1202.47	BASE PLATE "KAPPA 25/32"	1		▲ Parts in 6062.B5 (Kit 613).	
1205.07	ALUMINIUM PISTON D55 "KAPPA 25/DELTA 40"	2		◆ Parts in 6062.C1 (Kit 618).	
1403.09	WASHER D10.5	10		▼ Parts in 8700.65CK (Complete Repair Kit).	

Maximum Flow	9.5 GPM / 36 lpm
Maximum Pressure	560 PSI / 38 bar
Maximum RPM	550 RPM
Inlet Port - Hose Barb	1" HB
Outlet Ports - Hose Barb, Valve	(2) 1/2" HB
Bypass - Hose Barb	3/4" HB
Dimensions	8.5" L x 9.0" W x 9.5" H
Weight	18 lbs

Lubrication: Requires 12 oz. of Udor Lube 40W Premium Pump Oil.
Alternate Oil: 30W non-detergent or 15W-40 non-detergent oil.

6062C1 KIT 618		6062B5 KIT 613		606242 KIT 541		6062B4 KIT 612		8700.65CK	
CODE	QTY	CODE	QTY	CODE	QTY	CODE	QTY	CODE	QTY
090308	1	090308	1	110127	4	010204	2	010204	2
090315	2	090343	2	606304	4	030143	2	030143	2
110127	4	110127	4					090308	1
								090315	2
								110104	1
								110127	4
								606304	4



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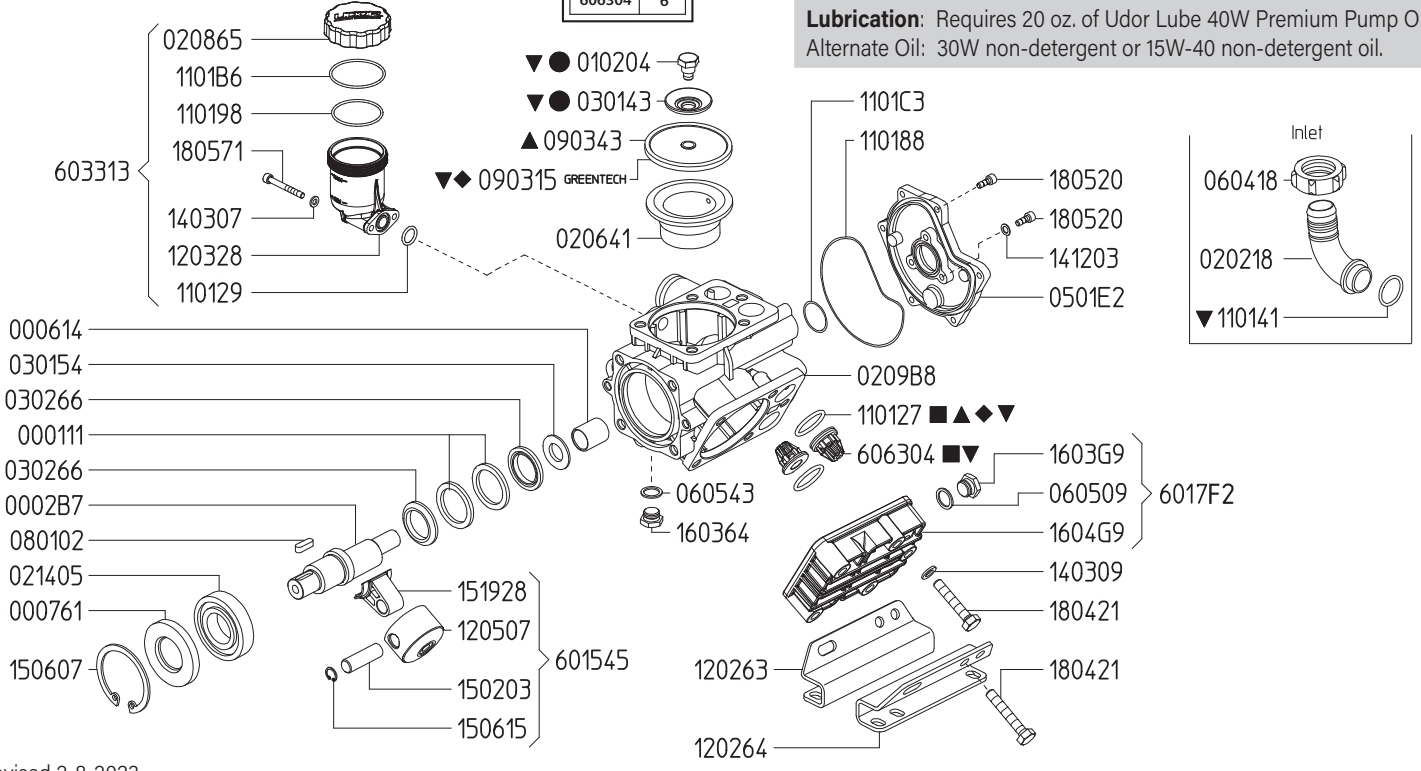
Part #	Description	Qty	Part #	Description	Qty
0002.C9	SHAFT "KAPPA 32" GR	1	1502.03	PIN D15X48	2
0006.15	BUSHING D16	1	1506.09	SNAP RING D52	1
0007.40	OIL SEAL D45	1	1506.15	SNAP RING D15	2
0102.04	DIAPHRAGM BOLT "DELTA/ZETA" ●▼	2	1506.18	SNAP RING D25	1
0103.54	CONNECTING ROD "KAPPA 25/32"	2	1603.23	OIL PLUG	1
0202.75	HOSE BARB D25	1	1603.33	PLUG G3/8+GASKET	1
0206.41	SLEEVE D55 "KAPPA 32"	2	1603.67	PLUG G1/4	1
0214.18	BALL BEARING D25	1	1603.G9	PLUG G3/8	4
0301.43	DIAPHRAGM DISC "KAPPA 25/33/55/ZETA" ●▼	2	1604.G9	HEAD "KAPPA 25/33/55"	2
0301.57	SPACER "KAPPA 15"	1	1804.06	HEX BOLT M8X40	4
0604.36	BARB NUT G1"	1	1804.21	HEX BOLT M10X55	10
0605.09	GASKET D17	4	6015.50	ROD ASSY "KAPPA 25/32" D55	2
0605.49	GASKET D13	1	6017.F2	HEAD ASSEMBLY	2
0801.02	KEY A8X7X25 UNI6604-69	1	6063.04	VALVE ASSEMBLY W/O O-RING ■▼	4
0903.08	ACCUMULATOR DIAPHRAGM ◆▲▼	1	6062.42	IN/OUTLET VALVE KIT "KAPPA 25" (KIT 541)	1
0903.15	PISTON DIAPHRAGM D90 - GREENTECH ◆▼	2	6062.B4	DIAPHRAGM DISC "KAPPA 25/32" (KIT 612)	1
0903.43	PISTON DIAPHRAGM D90 - BUNA ▲	2	6062.B5	DIAPHRAGM KIT - BUNA (KIT 613)	1
1101.04	O-RING - INLET HOSE BARB ▼	1	6062.C1	DIAPHRAGM KIT - GREENTECH (KIT 618)	1
1101.16	O-RING - OIL PLUG	2	8700.65CK	COMPLETE REPAIR KIT	1
1101.27	O-RING - VALVE ◆▲■▼	4		■ Parts in 6062.42 (Kit 541).	
1202.02	BASE PLATE "KAPPA 25/32/DELTA 40/50"	1		● Parts in 6062.B4 (Kit 612).	
1202.47	BASE PLATE "KAPPA 25/32"	1		▲ Parts in 6062.B5 (Kit 613).	
1205.07	ALUMINIUM PISTON D55 "KAPPA 25/DELTA 40"	2		◆ Parts in 6062.C1 (Kit 618).	
1403.09	WASHER D10.5	10		▼ Parts in 8700.65CK (Complete Repair Kit).	

KAPPA 43 GR3/4LP

870045 KIT 634		6062A2 KIT 601		606246 KIT 545		606248 KIT 547		8700.45CK	
CODE	QTY	CODE	QTY	CODE	QTY	CODE	QTY	CODE	QTY
090315	3	090343	3	110127	6	010204	3	010204	3
110127	6	110127	6	606304	6	030143	3	030143	3
								010204	3
								030143	3
								090315	3
								110141	1
								110127	6
								606304	6

Maximum Flow	10.5 GPM / 40 lpm
Maximum Pressure	350 PSI / 24 bar
Maximum RPM	550 RPM
Inlet Port - Hose Barb	1" HB
Outlet Ports - Hose Barb, Valve	(2) 1/2" HB
Bypass - Hose Barb	3/4" HB
Dimensions - Pump Only	9.5"L x 11.5"W x 10.0"H
Weight - with GR	39 lbs

Lubrication: Requires 20 oz. of Udor Lube 40W Premium Pump Oil.
Alternate Oil: 30W non-detergent or 15W-40 non-detergent oil.



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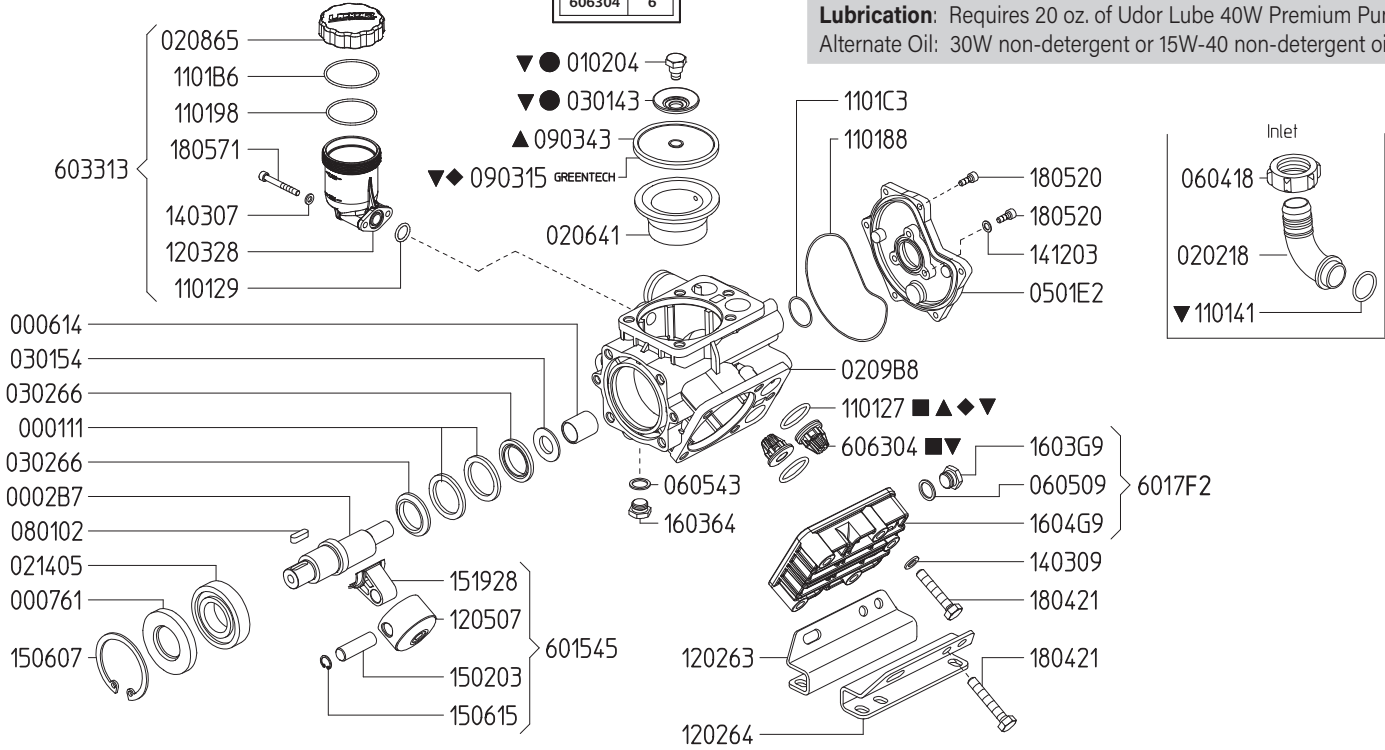
Part #	Description	Qty	Part #	Description	Qty
0001.11	RETAINER RING	2	1203.28	OIL RESERVOIR	1
0002.B7	SHAFT - GR	1	1205.07	ALUMINIUM PISTON D55	3
0006.14	BUSHING D20	1	1403.07	WASHER D6.4	2
0007.61	OIL SEAL D35	1	1403.09	WASHER D10.5	11
0102.04	DIAPHRAGM BOLT ●▼	3	1412.03	BONDED WASHER D6.7	3
0202.18	HOSE BARB D25 (1")	1	1502.03	PIN D15X48	3
0206.41	SLEEVE D55	3	1506.07	SNAP RING D72	1
0208.65	OIL RESERVOIR COVER	1	1506.15	SNAP RING D15	3
0209.B8	CRANKCASE	1	1519.28	CONNECTING ROD	3
0214.05	BALL BEARING D35	1	1603.64	PLUG G3/8	1
0301.43	DIAPHRAGM DISC ●▼	3	1603.G9	PLUG G3/8	6
0301.54	BEARING DISC	1	1604.G9	HEAD	3
0302.66	ROD SPACER	2	1804.21	HEX BOLT M10X55	15
0501.E2	CRANKCASE FLANGE	1	1805.20	ALLEN BOLT M6X16	9
0604.18	BARB NUT M42X2	1	1805.71	ALLEN BOLT M6X50	2
0605.09	GASKET D17	6	6015.45	ROD ASSY D55	3
0605.43	GASKET D17	1	6017.F2	HEAD ASSEMBLY	3
0801.02	KEY A8X7X25 UNI6604-69	1	6033.13	OIL RESERVOIR ASSEMBLY	1
0903.15	PISTON DIAPHRAGM D90 - GREENTECH ◆▼	3	6063.04	VALVE ASSEMBLY W/O O-RING ●▼	6
0903.43	PISTON DIAPHRAGM D90 - BUNA ▲	3	6062.46	IN/OUTLET VALVE KIT (KIT545)	1
1101.27	O-RING - VALVE ◆▲●▼	6	6062.48	DIAPHRAGM BOLT/WASHER (KIT547)	1
1101.29	O-RING - OIL RESERVOIR	1	6062.A2	DIAPHRAGM KIT - BUNA-N (KIT 601)	1
1101.41	O-RING - INLET HOSE BARB ▼	1	8700.45	DIAPHRAGM KIT - GREENTECH (KIT 634)	1
1101.88	O-RING - CRANKCASE FLANGE	1	8700.45CK	COMPLETE REPAIR KIT	1
1101.98	O-RING - OIL RESERVOIR	1			
1101.B6	O-RING - OIL RESERVOIR	1			
1101.C3	O-RING - CRANKCASE FLANGE	1			
1202.63	RIGHT BASE PLATE	1			
1202.64	LEFT BASE PLATE	1			

- Parts in 6062.46 (Kit 545).
- Parts in 6062.48 (Kit 547).
- ▲ Parts in 6062.A2 (Kit 601).
- ◆ Parts in 8700.45 (Kit 634).
- ▼ Parts in 8700.45CK (Complete Repair Kit).

Maximum Flow	10.5 GPM / 40 lpm
Maximum Pressure	560 PSI / 38 bar
Maximum RPM	550 RPM
Inlet Port - Hose Barb	1" HB
Outlet Ports - Hose Barb, Valve	(2) 1/2" HB
Bypass - Hose Barb	3/4" HB
Dimensions - Pump Only	9.5" L x 11.5" W x 10.0" H
Weight - with GR	39 lbs

Lubrication: Requires 20 oz. of Udor Lube 40W Premium Pump Oil.
Alternate Oil: 30W non-detergent or 15W-40 non-detergent oil.

870045 KIT 634		6062A2 KIT 601		606246 KIT 545		606248 KIT 547		8700.45CK	
CODE	QTY	CODE	QTY	CODE	QTY	CODE	QTY	CODE	QTY
090315	3	090343	3	110127	6	010204	3	010204	3
110127	6	110127	6	606304	6	030143	3	030143	3
								110141	1
								110127	6
								606304	6



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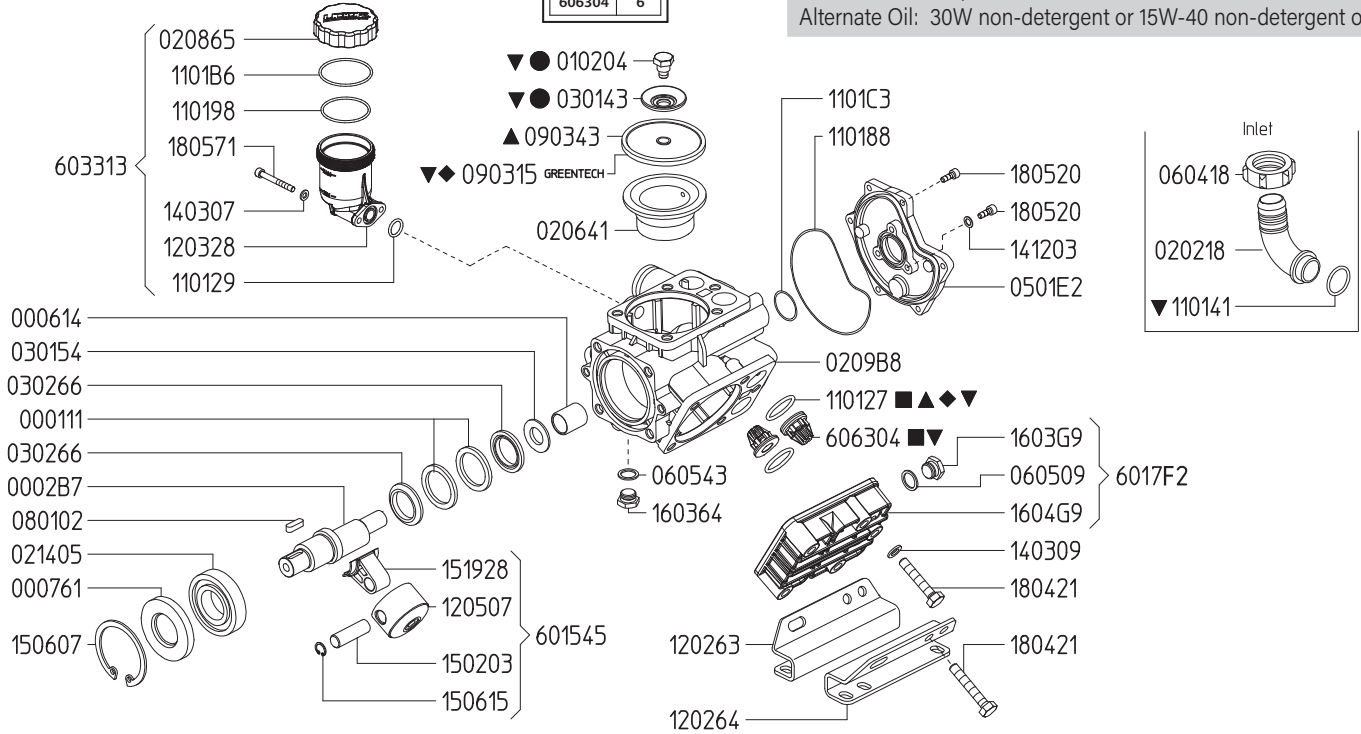
Part #	Description	Qty	Part #	Description	Qty
0001.11	RETAINER RING	2	1203.28	OIL RESERVOIR	1
0002.B7	SHAFT - GR	1	1205.07	ALUMINIUM PISTON D55	3
0006.14	BUSHING D20	1	1403.07	WASHER D6.4	2
0007.61	OIL SEAL D35	1	1403.09	WASHER D10.5	11
0102.04	DIAPHRAGM BOLT ●▼	3	1412.03	BONDED WASHER D6.7	3
0202.18	HOSE BARB D25 (1")	1	1502.03	PIN D15X48	3
0206.41	SLEEVE D55	3	1506.07	SNAP RING D72	1
0208.65	OIL RESERVOIR COVER	1	1506.15	SNAP RING D15	3
0209.B8	CRANKCASE	1	1519.28	CONNECTING ROD	3
0214.05	BALL BEARING D35	1	1603.64	PLUG G3/8	1
0301.43	DIAPHRAGM DISC ●▼	3	1603.G9	PLUG G3/8	6
0301.54	BEARING DISC	1	1604.G9	HEAD	3
0302.66	ROD SPACER	2	1804.21	HEX BOLT M10X55	15
0501.E2	CRANKCASE FLANGE	1	1805.20	ALLEN BOLT M6X16	9
0604.18	BARB NUT M42X2	1	1805.71	ALLEN BOLT M6X50	2
0605.09	GASKET D17	6	6015.45	ROD ASSEMBLY D55	3
0605.43	GASKET D17	1	6017.F2	HEAD ASSEMBLY	3
0801.02	KEY A8X7X25	1	6033.13	OIL RESERVOIR ASSEMBLY	1
0903.15	PISTON DIAPHRAGM D90 - GREENTECH ◆▼	3	6063.04	VALVE ASSEMBLY W/O O-RING ●▼	6
0903.43	PISTON DIAPHRAGM D90 - BUNA ▲	3	6062.46	IN/OUTLET VALVE KIT (KIT 545)	1
1101.27	O-RING - VALVE ◆▲●▼	6	6062.48	DIAPHRAGM BOLT/WASHER (KIT 547)	1
1101.29	O-RING - OIL RESERVOIR	1	6062.A2	DIAPHRAGM KIT - BUNA-N (KIT 601)	1
1101.41	O-RING - INLET HOSE BARB ▼	1	8700.45	DIAPHRAGM KIT - GREENTECH (KIT 634)	1
1101.88	O-RING - CRANKCASE FLANGE	1	8700.45CK	COMPLETE REPAIR KIT	1
1101.98	O-RING - OIL RESERVOIR	1			
1101.B6	O-RING - OIL RESERVOIR	1			
1101.C3	O-RING - CRANKCASE FLANGE	1			
1202.63	RIGHT BASE PLATE	1			
1202.64	LEFT BASE PLATE	1			

- Parts in 6062.46 (Kit 545).
- Parts in 6062.48 (Kit 547).
- ▲ Parts in 6062.A2 (Kit 601).
- ◆ Parts in 8700.45 (Kit 634).
- ▼ Parts in 8700.45CK (Complete Repair Kit).

Maximum Flow	10.5 GPM / 40 lpm
Maximum Pressure	560 PSI / 38 bar
Maximum RPM	550 RPM
Inlet Port - Hose Barb	1" HB
Outlet Ports - Hose Barb, Valve	(2) 1/2" HB
Bypass - Hose Barb	3/4" HB
Dimensions	9.5" L x 11.5" W x 10.0" H
Weight	29 lbs

Lubrication: Requires 20 oz. of Udor Lube 40W Premium Pump Oil.
Alternate Oil: 30W non-detergent or 15W-40 non-detergent oil.

870045 KIT 634		6062A2 KIT 601		606246 KIT 545		606248 KIT 547		8700.45CK	
CODE	QTY	CODE	QTY	CODE	QTY	CODE	QTY	CODE	QTY
090315	3	090343	3	110127	6	010204	3	010204	3
110127	6	110127	6	606304	6	030143	3	030143	3
								110141	1
								110127	6
								606304	6



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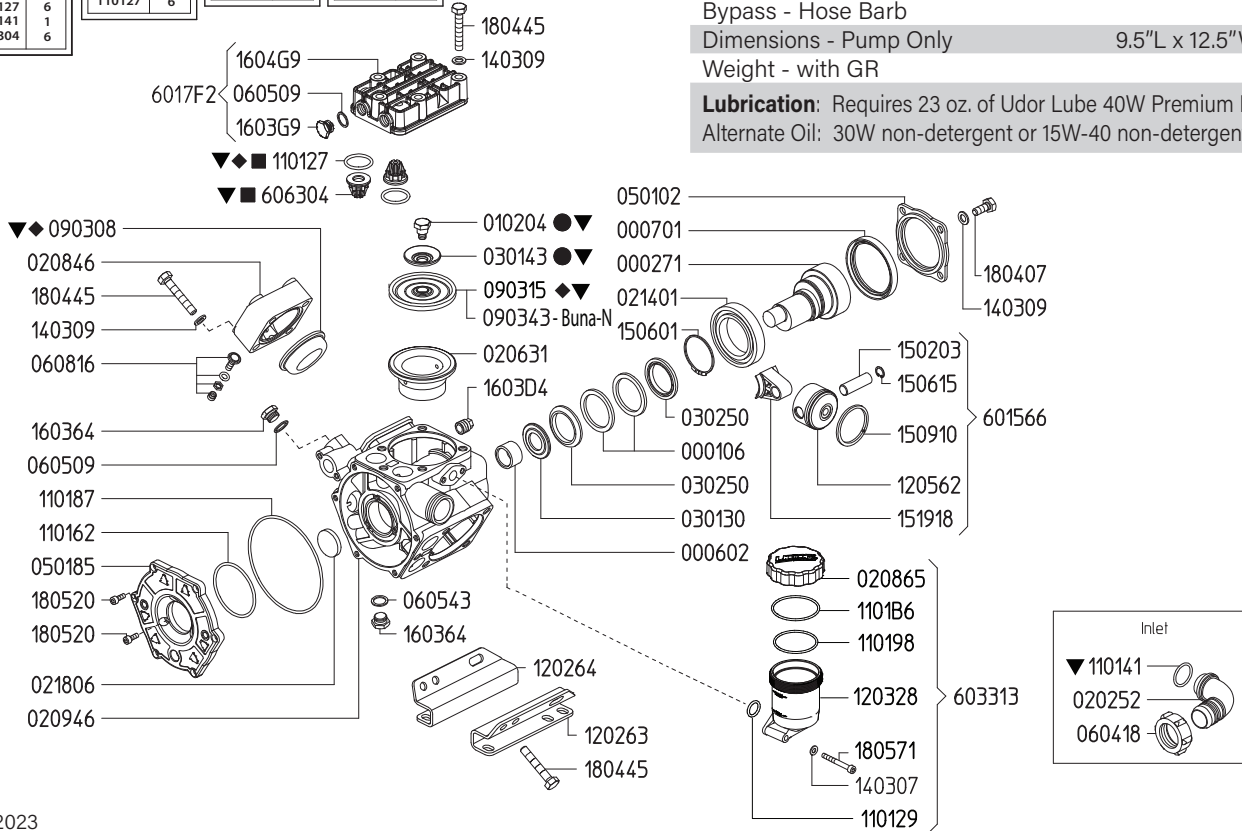
Part #	Description	Qty	Part #	Description	Qty
0001.11	RETAINER RING	2	1203.28	OIL RESERVOIR	1
0002.B7	SHAFT - GR	1	1205.07	ALUMINIUM PISTON D55	3
0006.14	BUSHING D20	1	1403.07	WASHER D6.4	2
0007.61	OIL SEAL D35	1	1403.09	WASHER D10.5	11
0102.04	DIAPHRAGM BOLT ●▼	3	1412.03	BONDED WASHER D6.7	3
0202.18	HOSE BARB D25 (1")	1	1502.03	PIN D15X48	3
0206.41	SLEEVE D55	3	1506.07	SNAP RING D72	1
0208.65	OIL RESERVOIR COVER	1	1506.15	SNAP RING D15	3
0209.B8	CRANKCASE	1	1519.28	CONNECTING ROD	3
0214.05	BALL BEARING D35	1	1603.64	PLUG G3/8	1
0301.43	DIAPHRAGM DISC ●▼	3	1603.G9	PLUG G3/8	6
0301.54	BEARING DISC	1	1604.G9	HEAD	3
0302.66	ROD SPACER	2	1804.21	HEX BOLT M10X55	15
0501.E2	CRANKCASE FLANGE	1	1805.20	ALLEN BOLT M6X16	9
0604.18	BARB NUT M42X2	1	1805.71	ALLEN BOLT M6X50	2
0605.09	GASKET D17	6	6015.45	ROD ASSEMBLY D55	3
0605.43	GASKET D17	1	6017.F2	HEAD ASSEMBLY	3
0801.02	KEY A8X7X25	1	6033.13	OIL RESERVOIR ASSEMBLY	1
0903.15	PISTON DIAPHRAGM D90 - GREENTECH ◆▼	3	6063.04	VALVE ASSEMBLY W/O O-RING ●▼	6
0903.43	PISTON DIAPHRAGM D90 - BUNA ▲	3	6062.46	IN/OUTLET VALVE KIT (KIT 545)	1
1101.27	O-RING - VALVE ◆▲●▼	6	6062.48	DIAPHRAGM BOLT/WASHER (KIT 547)	1
1101.29	O-RING - OIL RESERVOIR	1	6062.A2	DIAPHRAGM KIT - BUNA-N (KIT 601)	1
1101.41	O-RING - INLET HOSE BARB ▼	1	8700.45	DIAPHRAGM KIT - GREENTECH (KIT 634)	1
1101.88	O-RING - CRANKCASE FLANGE	1	8700.45CK	COMPLETE REPAIR KIT	1
1101.98	O-RING - OIL RESERVOIR	1			
1101.B6	O-RING - OIL RESERVOIR	1			
1101.C3	O-RING - CRANKCASE FLANGE	1			
1202.63	RIGHT BASE PLATE	1			
1202.64	LEFT BASE PLATE	1			

- Parts in 6062.46 (Kit 545).
- Parts in 6062.48 (Kit 547).
- ▲ Parts in 6062.A2 (Kit 601).
- ◆ Parts in 8700.45 (Kit 634).
- ▼ Parts in 8700.45CK (Complete Repair Kit).

8700.26CK		870026 KIT 624		606246 KIT 545		606248 KIT 547	
CODE	QTY	CODE	QTY	CODE	QTY	CODE	QTY
010204	3	090308	1	110127	6	010204	3
030143	3	090315	3	606304	6	030143	3
090308	1	110127	6				
090315	3						
110127	6						
110141	1						
606304	6						

Maximum Flow	15.0 GPM / 57 lpm
Maximum Pressure	560 PSI / 38 bar
Maximum RPM	550 RPM
Inlet Port - Hose Barb	1-1/4" HB
Outlet Ports - Hose Barb, Valve	(2) 1/2" HB
Bypass - Hose Barb	3/4" HB
Dimensions - Pump Only	9.5"L x 12.5"W x 10.5"H
Weight - with GR	47 lbs

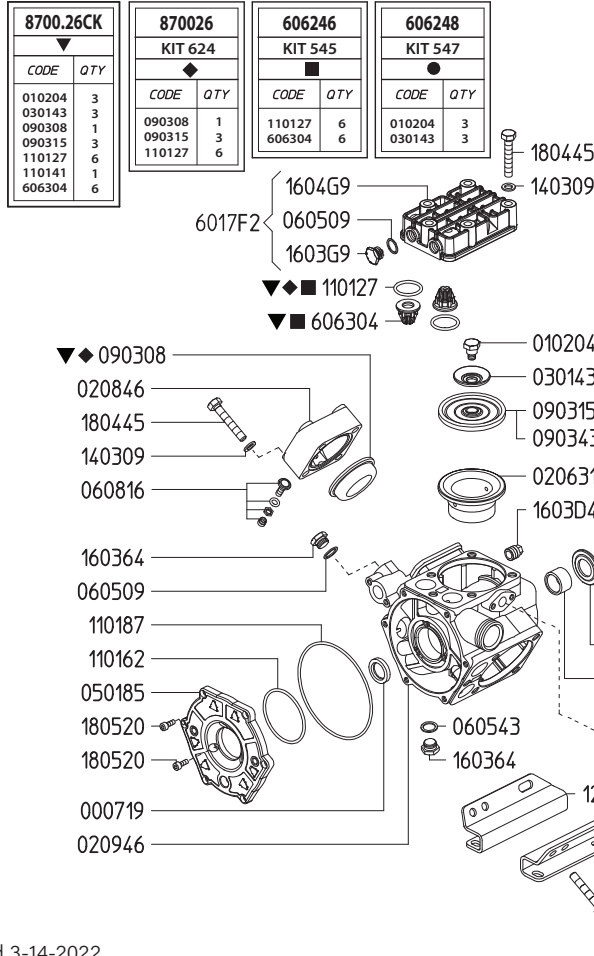
Lubrication: Requires 23 oz. of Udor Lube 40W Premium Pump Oil.
Alternate Oil: 30W non-detergent or 15W-40 non-detergent oil.



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Part #	Description	Qty	Part #	Description	Qty
0001.06	RETAINER RING	2	1202.63	RIGHT BASE PLATE	1
0002.71	SHAFT - VA	1	1202.64	LEFT BASE PLATE	1
0006.02	BUSHING D25	1	1203.28	OIL RESERVOIR	1
0007.01	OIL SEAL D78	1	1205.62	ALUMINIUM PISTON D55	3
0102.04	DIAPHRAGM BOLT ■ ▼	3	1403.07	WASHER D6.4	2
0202.52	HOSE BARB D32	1	1403.09	WASHER D10.5	19
0206.31	SLEEVE D55	3	1502.03	PIN D15X48	3
0208.46	ACCUMULATOR COVER	1	1506.01	SNAP RING D60	1
0208.65	OIL RESERVOIR COVER	1	1506.15	SNAP RING D15	3
0209.46	CRANKCASE TS	1	1509.10	PISTON RING D55	3
0214.01	BALL BEARING D60	1	1519.18	CONNECTING ROD	3
0218.06	CAP D35X7	1	1603.64	PLUG G3/8	2
0301.30	BEARING DISC	1	1603.D4	PLUG G3/8	1
0301.43	DIAPHRAGM DISC ■ ▼	3	1603.G9	PLUG G3/8	6
0302.50	ROD SPACER	2	1604.G9	HEAD	3
0501.02	FLANGE	1	1804.07	HEX BOLT M10X25	4
0501.85	CRANKCASE FLANGE "KAPPA 55/65"	1	1804.45	HEX BOLT M10X40	19
0604.18	BARB NUT M42X2	1	1805.20	ALLEN BOLT M6X16	9
0605.09	GASKET D17	7	1805.71	ALLEN BOLT M6X50	2
0605.43	GASKET D17	1	6015.66	ROD ASSEMBLY D55	3
0608.16	AIR VALVE ASSEMBLY	1	6017.F2	HEAD ASSEMBLY	3
0903.08	ACCUMULATOR DIAPHRAGM ◆ ▼	1	6033.13	OIL RESERVOIR ASSEMBLY	1
0903.15	PISTON DIAPHRAGM D90 - GREENTECH ◆ ▼	3	6063.04	VALVE ASSEMBLY W/O O-RING ● ▼	6
0903.43	PISTON DIAPHRAGM D90 - BUNA-N	3	6062.46	IN/OUTLET VALVE KIT (KIT 545)	1
1101.27	O-RING - VALVE ● ◆ ▼	6	6062.48	DIAPHRAGM BOLT/WASHER (KIT 547)	1
1101.29	O-RING - OIL RESERVOIR	1	8700.26	DIAPHRAGM KIT - GREENTECH (KIT 624)	1
1101.41	O-RING - INLET HOSE BARB ▼	1	8700.26CK	COMPLETE REPAIR KIT	1
1101.62	O-RING - CRANKCASE FLANGE	1			
1101.87	O-RING - CRANKCASE FLANGE	1			
1101.98	O-RING - OIL RESERVOIR	1			
1101.B6	O-RING - OIL RESERVOIR	1			

- Parts in 6062.46 (Kit 545).
- Parts in 6062.48 (Kit 547).
- ◆ Parts in 8700.26 (Kit 624).
- ▼ Parts in 8700.26CK (Complete Repair Kit).



Maximum Flow	15.0 GPM / 57 lpm
Maximum Pressure	560 PSI / 38 bar
Maximum RPM	550 RPM
Inlet Port - Hose Barb	1-1/4" HB
Outlet Ports - Hose Barb, Valve	(2) 1/2" HB
Bypass - Hose Barb	3/4" HB
Dimensions	9.5" L x 12.5" W x 10.5" H
Weight	37 lbs

Lubrication: Requires 23 oz. of Udor Lube 40W Premium Pump Oil.
Alternate Oil: 30W non-detergent or 15W-40 non-detergent oil.

Revised 3-14-2022

Part #	Description	Qty	Part #	Description	Qty
0001.06	RETAINER RING	2	1202.63	RIGHT BASE PLATE	1
0002.72	SHAFT - TS VA	1	1202.64	LEFT BASE PLATE	1
0006.02	BUSHING D25	1	1203.28	OIL RESERVOIR	1
0007.01	OIL SEAL D78	1	1205.62	ALUMINIUM PISTON D55	3
0007.19	OIL SEAL D25	1	1403.07	WASHER D6.4	2
0102.04	DIAPHRAGM BOLT ■▼	3	1403.09	WASHER D10.5	19
0202.52	HOSE BARB D32	1	1502.03	PIN D15X48	3
0206.31	SLEEVE D55	3	1506.01	SNAP RING D60	1
0208.46	ACCUMULATOR COVER	1	1506.15	SNAP RING D15	3
0208.65	OIL RESERVOIR COVER	1	1509.10	PISTON RING D55	3
0209.46	CRANKCASE - TS	1	1519.18	CONNECTING ROD	3
0214.01	BALL BEARING D60	1	1603.64	PLUG G3/8	2
0301.30	BEARING DISC	1	1603.D4	PLUG G3/8	1
0301.43	DIAPHRAGM DISC ■▼	3	1603.G9	PLUG G3/8	6
0302.50	ROD SPACER	2	1604.G9	HEAD	3
0501.02	FLANGE	1	1804.07	HEX BOLT M10X25	4
0501.85	CRANKCASE FLANGE	1	1804.45	HEX BOLT M10X40	19
0604.18	BARB NUT M42X2	1	1805.20	ALLEN BOLT M6X16	9
0605.09	GASKET D17	7	1805.71	ALLEN BOLT M6X50	2
0605.43	GASKET D17	1	6015.66	ROD ASSEMBLY D55	3
0608.16	AIR VALVE ASSEMBLY	1	6017.F2	HEAD ASSEMBLY	3
0801.22	KEY A8X7X45	1	6033.13	OIL RESERVOIR ASSEMBLY	1
0903.08	ACCUMULATOR DIAPHRAGM ◆▼	1	6063.04	VALVE ASSEMBLY W/O O-RING ●▼	6
0903.15	PISTON DIAPHRAGM D90 - GREENTECH ◆▼	3	6062.46	IN/OUTLET VALVE KIT (KIT 545)	1
0903.43	PISTON DIAPHRAGM D90 - BUNA-N	3	6062.48	DIAPHRAGM BOLT/WASHER (KIT 547)	1
1101.27	O-RING - VALVE ●◆▼	6	8700.26	DIAPHRAGM KIT - GREENTECH (KIT 624)	1
1101.29	O-RING - OIL RESERVOIR	1	8700.26CK	COMPLETE REPAIR KIT	1
1101.41	O-RING - INLET HOSE BARB ▼	1			
1101.62	O-RING - CRANKCASE FLANGE	1			
1101.87	O-RING - CRANKCASE FLANGE	1			
1101.98	O-RING - OIL RESERVOIR	1			
1101.B6	O-RING - OIL RESERVOIR	1			

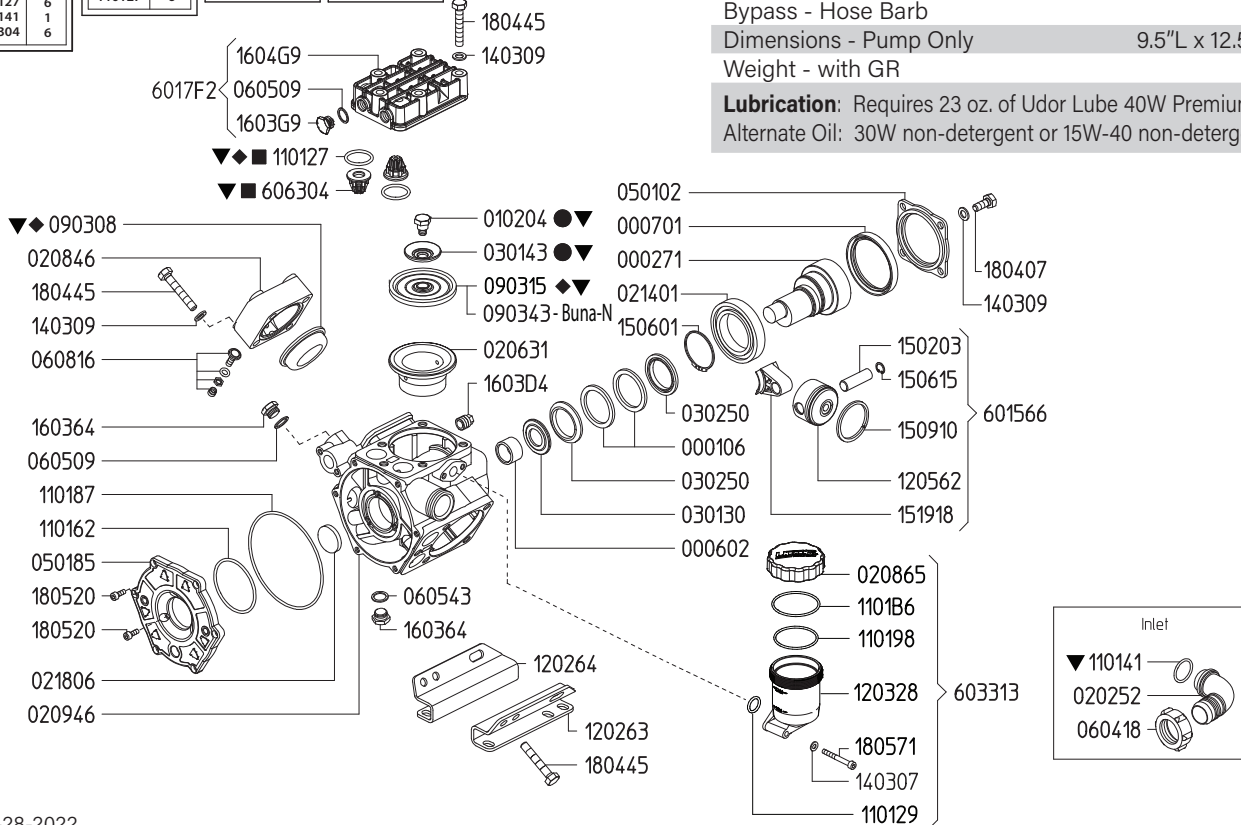
- Parts in 6062.46 (Kit 545).
- Parts in 6062.48 (Kit 547).
- ◆ Parts in 8700.26 (Kit 624).
- ▼ Parts in 8700.26CK (Complete Repair Kit).

KAPPA 55 VAGR3/4

8700.26CK		870026 KIT 624		606246 KIT 545		606248 KIT 547	
CODE	QTY	CODE	QTY	CODE	QTY	CODE	QTY
010204	3	090308	1	110127	6	010204	3
030143	3	090315	3	606304	6	030143	3
090308	1	110127	6				
090315	3						
110127	6						
110141	1						
606304	6						

Maximum Flow	15.0 GPM / 57 lpm
Maximum Pressure	350 PSI / 24 bar
Maximum RPM	550 RPM
Inlet Port - Hose Barb	1-1/4" HB
Outlet Ports - Hose Barb, Valve	(2) 1/2" HB
Bypass - Hose Barb	3/4" HB
Dimensions - Pump Only	9.5" L x 12.5" W x 10.5" H
Weight - with GR	47 lbs

Lubrication: Requires 23 oz. of Udor Lube 40W Premium Pump Oil.
Alternate Oil: 30W non-detergent or 15W-40 non-detergent oil.



Revised 10-28-2022

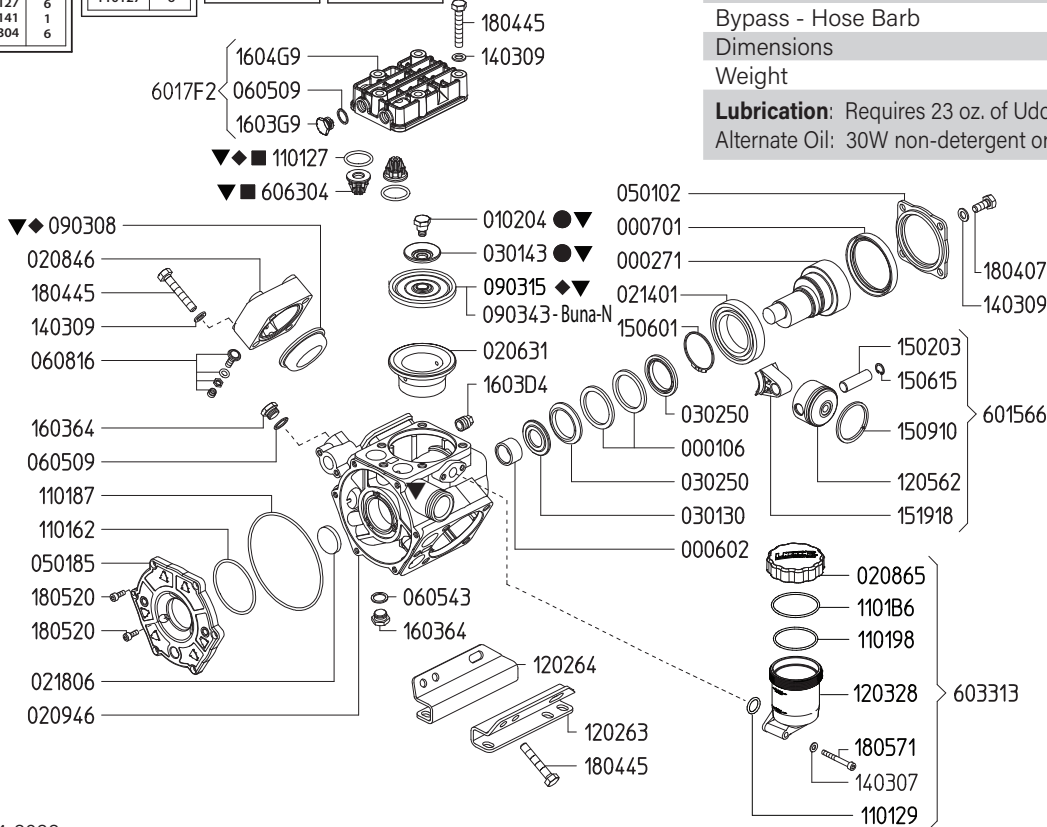
Part #	Description	Qty	Part #	Description	Qty
0001.06	RETAINER RING	2	1202.63	RIGHT BASE PLATE	1
0002.71	SHAFT - VA	1	1202.64	LEFT BASE PLATE	1
0006.02	BUSHING D25	1	1203.28	OIL RESERVOIR	1
0007.01	OIL SEAL D78	1	1205.62	ALUMINIUM PISTON D55	3
0102.04	DIAPHRAGM BOLT ■▼	3	1403.07	WASHER D6.4	2
0202.52	HOSE BARB D32	1	1403.09	WASHER D10.5	19
0206.31	SLEEVE D55	3	1502.03	PIN D15X48	3
0208.46	ACCUMULATOR COVER	1	1506.01	SNAP RING D60	1
0208.65	OIL RESERVOIR COVER	1	1506.15	SNAP RING D15	3
0209.46	CRANKCASE TS	1	1509.10	PISTON RING D55	3
0214.01	BALL BEARING D60	1	1519.18	CONNECTING ROD	3
0218.06	CAP D35X7	1	1603.64	PLUG G3/8	2
0301.30	BEARING DISC	1	1603.D4	PLUG G3/8	1
0301.43	DIAPHRAGM DISC ■▼	3	1603.G9	PLUG G3/8	6
0302.50	ROD SPACER	2	1604.G9	HEAD	3
0501.02	FLANGE	1	1804.07	HEX BOLT M10X25	4
0501.85	CRANKCASE FLANGE	1	1804.45	HEX BOLT M10X40	19
0604.18	BARB NUT M42X2	1	1805.20	ALLEN BOLT M6X16	9
0605.09	GASKET D17	7	1805.71	ALLEN BOLT M6X50	2
0605.43	GASKET D17	1	6015.66	ROD ASSEMBLY D55	3
0608.16	AIR VALVE ASSY	1	6017.F2	HEAD ASSEMBLY	3
0903.08	ACCUMULATOR DIAPHRAGM ◆▼	1	6033.13	OIL RESERVOIR ASSEMBLY	1
0903.15	PISTON DIAPHRAGM D90 - GREENTECH ◆▼	3	6063.04	VALVE ASSEMBLY W/O O-RING ●▼	6
0903.43	PISTON DIAPHRAGM D90 - BUNA-N	3	6062.46	IN/OUTLET VALVE KIT (KIT 545)	1
1101.27	O-RING - VALVE ●◆▼	6	6062.48	DIAPHRAGM BOLT/WASHER (KIT 547)	1
1101.29	O-RING - OIL RESERVOIR	1	8700.26	DIAPHRAGM KIT - GREENTECH (KIT 624)	1
1101.41	O-RING - INLET HOSE BARB ▼	1	8700.26CK	COMPLETE REPAIR KIT	1
1101.62	O-RING - CRANKCASE FLANGE	1			
1101.87	O-RING - CRANKCASE FLANGE	1			
1101.98	O-RING - OIL RESERVOIR	1			
1101.B6	O-RING - OIL RESERVOIR	1			

- Parts in 6062.46 (Kit 545).
- Parts in 6062.48 (Kit 547).
- ◆ Parts in 8700.26 (Kit 624).
- ▼ Parts in 8700.26CK (Complete Repair Kit).

8700.26CK		870026 KIT 624		606246 KIT 545		606248 KIT 547	
CODE	QTY	CODE	QTY	CODE	QTY	CODE	QTY
010204	3	090308	1	110127	6	010204	3
030143	3	090315	3	606304	6	030143	3
090308	1	110127	6				
090315	3						
110127	6						
110141	1						
606304	6						

Maximum Flow	15.0 GPM
Maximum Pressure	560 PSI
Maximum RPM	550 RPM
Inlet Port - Hose Barb	1-1/4" HB
Outlet Ports - Hose Barb, Valve	(2) 1/2" HB
Bypass - Hose Barb	3/4" HB
Dimensions	9.5" L x 12.5" W x 10.5" H
Weight	37 lbs

Lubrication: Requires 23 oz. of Udor Lube 40W Premium Pump Oil.
Alternate Oil: 30W non-detergent or 15W-40 non-detergent oil.



Revised 3-14-2022

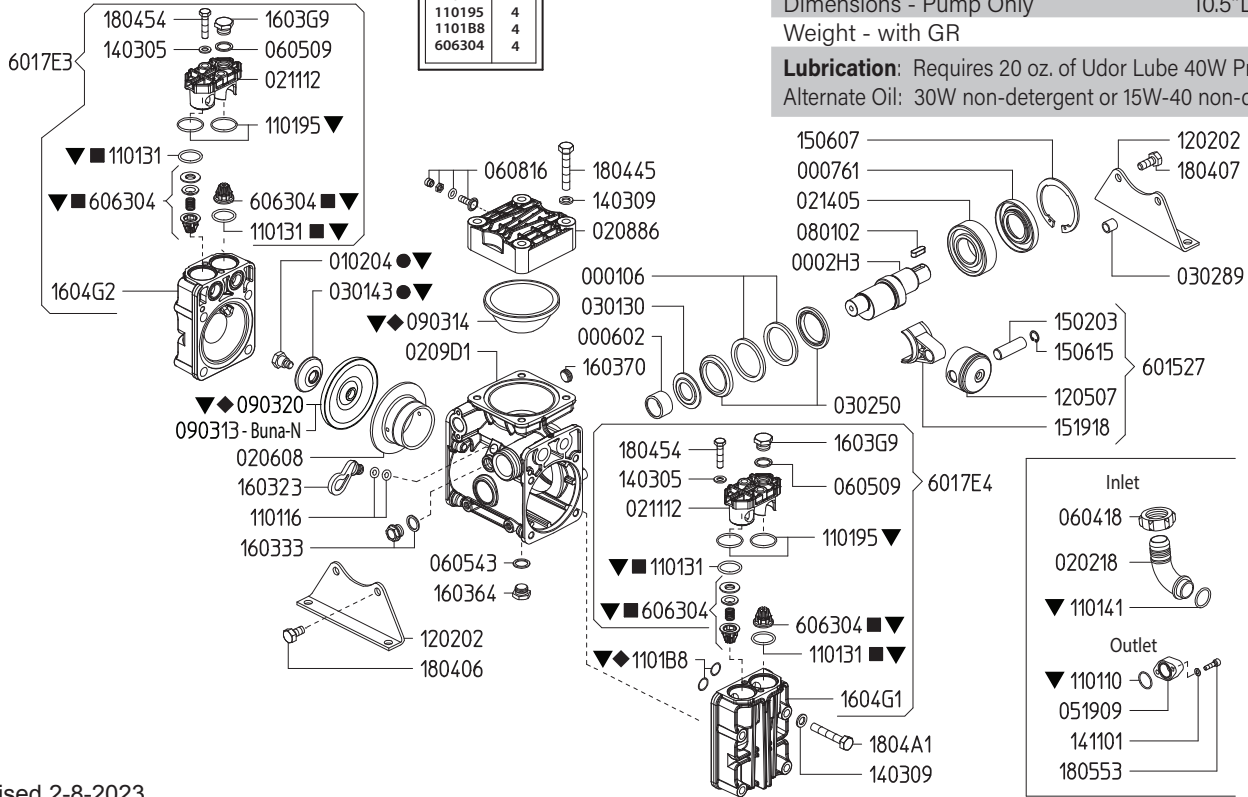
Part #	Description	Qty	Part #	Description	Qty
0001.06	RETAINER RING	2	1202.63	RIGHT BASE PLATE	1
0002.71	SHAFT - VA	1	1202.64	LEFT BASE PLATE	1
0006.02	BUSHING D25	1	1203.28	OIL RESERVOIR	1
0007.01	OIL SEAL D78	1	1205.62	ALUMINIUM PISTON D55	3
0102.04	DIAPHRAGM BOLT ■▼	3	1403.07	WASHER D6.4	2
0202.52	HOSE BARB D32	1	1403.09	WASHER D10.5	19
0206.31	SLEEVE D55	3	1502.03	PIN D15X48	3
0208.46	ACCUMULATOR COVER	1	1506.01	SNAP RING D60	1
0208.65	OIL RESERVOIR COVER	1	1506.15	SNAP RING D15	3
0209.46	CRANKCASE - TS	1	1509.10	PISTON RING D55	3
0214.01	BALL BEARING D60	1	1519.18	CONNECTING ROD	3
0218.06	CAP D35X7	1	1603.64	PLUG G3/8	2
0301.30	BEARING DISC	1	1603.D4	PLUG G3/8	1
0301.43	DIAPHRAGM DISC ■▼	3	1603.G9	PLUG G3/8	6
0302.50	ROD SPACER	2	1604.G9	HEAD	3
0501.02	FLANGE	1	1804.07	HEX BOLT M10X25	4
0501.85	CRANKCASE FLANGE	1	1804.45	HEX BOLT M10X40	19
0604.18	BARB NUT M42X2	1	1805.20	ALLEN BOLT M6X16	9
0605.09	GASKET D17	7	1805.71	ALLEN BOLT M6X50	2
0605.43	GASKET D17	1	6015.66	ROD ASSEMBLY D55	3
0608.16	AIR VALVE ASSY	1	6017.F2	HEAD ASSEMBLY	3
0903.08	ACCUMULATOR DIAPHRAGM ◆▼	1	6033.13	OIL RESERVOIR ASSEMBLY	1
0903.15	PISTON DIAPHRAGM D90 - GREENTECH ◆▼	3	6063.04	VALVE ASSEMBLY W/O O-RING ●▼	6
0903.43	PISTON DIAPHRAGM D90 - BUNA-N	3	6062.46	IN/OUTLET VALVE KIT (KIT 545)	1
1101.27	O-RING - VALVE ●◆▼	6	6062.48	DIAPHRGM BOLT/WASHER (KIT 547)	1
1101.29	O-RING - OIL RESERVOIR	1	8700.26	DIAPHRAGM KIT - GREENTECH (KIT 624)	1
1101.41	O-RING - INLET HOSE BARB▼	1	8700.26CK	COMPLETE REPAIR KIT	1
1101.62	O-RING - CRANKCASE FLANGE	1			
1101.87	O-RING - CRANKCASE FLANGE	1			
1101.98	O-RING - OIL RESERVOIR	1			
1101.B6	O-RING - OIL RESERVOIR	1			

- Parts in 6062.46 (Kit 545).
- Parts in 6062.48 (Kit 547).
- ◆ Parts in 8700.26 (Kit 624).
- ▼ Parts in 8700.26CK (Complete Repair Kit).

6062B4 KIT 612		6062G3 KIT 663		6062G4 KIT 664		8700.85CK	
CODE	QTY	CODE	QTY	CODE	QTY	CODE	QTY
010204	2	110131	4	090314	1	010204	2
030143	2	606304	4	090320	2	030143	2
				1101B8	4	090320	2
						110131	4
						110141	1
						110195	4
						110188	4
						606304	4

Maximum Flow	10.5 GPM / 40 lpm
Maximum Pressure	560 PSI / 40 bar
Maximum RPM	540
Inlet Port - Hose Barb	1" HB
Outlet Ports - Hose Barb, Valve	(2) 1/2" HB
Bypass - Hose Barb	3/4" HB
Dimensions - Pump Only	10.5"L x 11.5"W x 10.5"H
Weight - with GR	39 lbs

Lubrication: Requires 20 oz. of Udor Lube 40W Premium Pump Oil.
Alternate Oil: 30W non-detergent or 15W-40 non-detergent oil.



Revised 2-8-2023

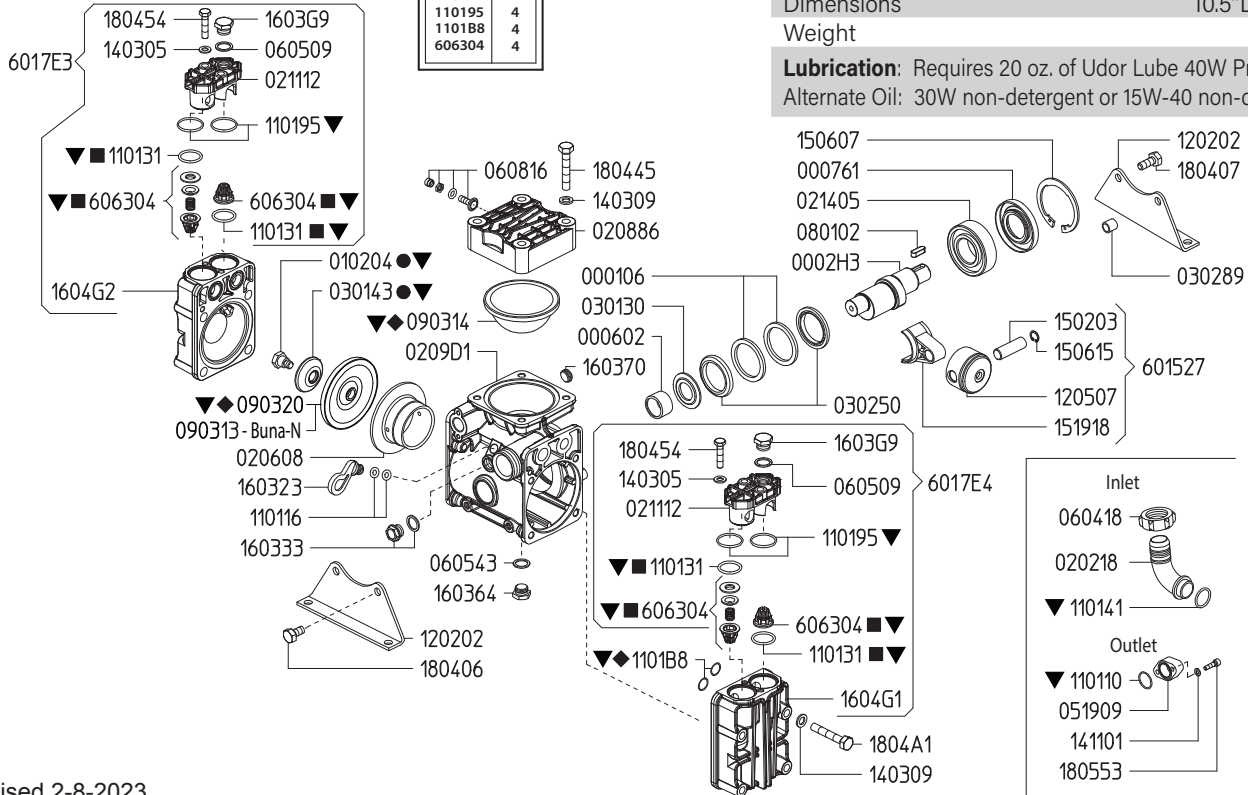
Part #	Description	Qty	Part #	Description	Qty
0001.06	RETAINER RING	2	1403.05	WASHER M8	4
0002.H3	SHAFT "DELTA 40"	1	1403.09	WASHER M10	12
0006.02	BUSHING D25	1	1411.01	SERATED WASHER M6	2
0007.61	OIL SEAL D35	1	1502.03	PIN D15X48	2
0102.04	DIAPHRAGM BOLT ●▼	2	1506.07	SNAP RING D72	1
0202.18	HOSE BARB D25 (1")	1	1506.15	SNAP RING D15	2
0206.08	SLEEVE D55	2	1519.18	CONNECTING ROD	2
0209.D1	CRANKCASE	1	1603.23	OIL PLUG W/O O-RINGS	1
0211.12	VALVE COVER	2	1603.33	PLUG G3/8+GASKET	1
0214.05	BALL BEARING D35	1	1603.64	PLUG G3/8	1
0301.30	BEARING DISC	1	1603.70	PLUG G3/8	1
0301.43	DIAPHRAGM DISC ●▼	2	1603.G9	HEAD PLUG 3/8	2
0302.50	ROD SPACER	2	1604.G1	RIGHT HEAD	1
0302.89	SPACER	2	1604.G2	LEFT HEAD	1
0519.09	REMOTE CONTROL FLANGE G1/2	1	1804.06	HEX BOLT M10X20	2
0604.18	BARB NUT M42X2	1	1804.07	HEX BOLT M10X25	2
0605.09	GASKET D17	2	1804.45	HEX BOLT M10X60	4
0605.43	GASKET D17	1	1804.54	HEX BOLT M8X35	4
0608.16	AIR VALVE ASSEMBLY	1	1804.A1	HEX BOLT M10X70	8
0801.02	KEY A8X7X25	1	1805.53	ALLEN BOLT M6X22	2
0903.13	PISTON DIAPHRAGM D100 BUNA-N	2	6015.27	ROD ASSEMBLY D55	2
0903.14	ACCUMULATOR DIAPHRAGM ◆▼	1	6017.E3	HEAD ASSEMBLY - LEFT	1
0903.20	PISTON DIAPHRAGM D100 GREENTECH ◆▼	2	6017.E4	HEAD ASSEMBLY - RIGHT	1
1101.10	O-RING - DISCHARGE PORT	1	6063.04	VALVE ASSEMBLY W/O O-RING ■▼	4
1101.16	O-RING - OIL PLUG	2	6062.B4	DIAPHRAGM BOLT / WASHER KIT (KIT 612)	1
1101.31	O-RING - VALVE ■▼	4	6062.G3	IN/OUTLET VALVE KIT (KIT 663)	1
1101.41	O-RING - INLET HOSE BARB ▼	1	6062.G4	DIAPHRAGM KIT - GREENTECH (KIT 664)	1
1101.95	O-RING - VALVE COVER ▼	4	8700.85CK	COMPLETE REPAIR KIT	1
1101.B8	O-RING - HEAD ◆▼	4			
1202.02	BASE PLATE	2			
1205.07	ALUMINIUM PISTON D55	2			

- Parts in 6062.B4 (Kit 612)
- Parts in 6062.G3 (Kit 663)
- ◆ Parts in 6062.G4 (Kit 664)
- ▼ Parts in 8700.85CK (Complete Repair Kit)

6062B4 KIT 612		6062G3 KIT 663		6062G4 KIT 664		8700.85CK	
CODE	QTY	CODE	QTY	CODE	QTY	CODE	QTY
010204	2	110131	4	090314	1	010204	2
030143	2	606304	4	090320	2	030143	2
				1101B8	4	090320	2
						110131	4
						110141	1
						110195	4
						1101B8	4
						606304	4

Maximum Flow	10.5 GPM / 40 lpm
Maximum Pressure	560 PSI / 40 bar
Maximum RPM	540
Inlet Port - Hose Barb	1" HB
Outlet Ports - Hose Barb, Valve	(2) 1/2" HB
Bypass - Hose Barb	3/4" HB
Dimensions	10.5"L x 11.5"W x 10.5"H
Weight	29 lbs

Lubrication: Requires 20 oz. of Udor Lube 40W Premium Pump Oil.
Alternate Oil: 30W non-detergent or 15W-40 non-detergent oil.



Revised 2-8-2023

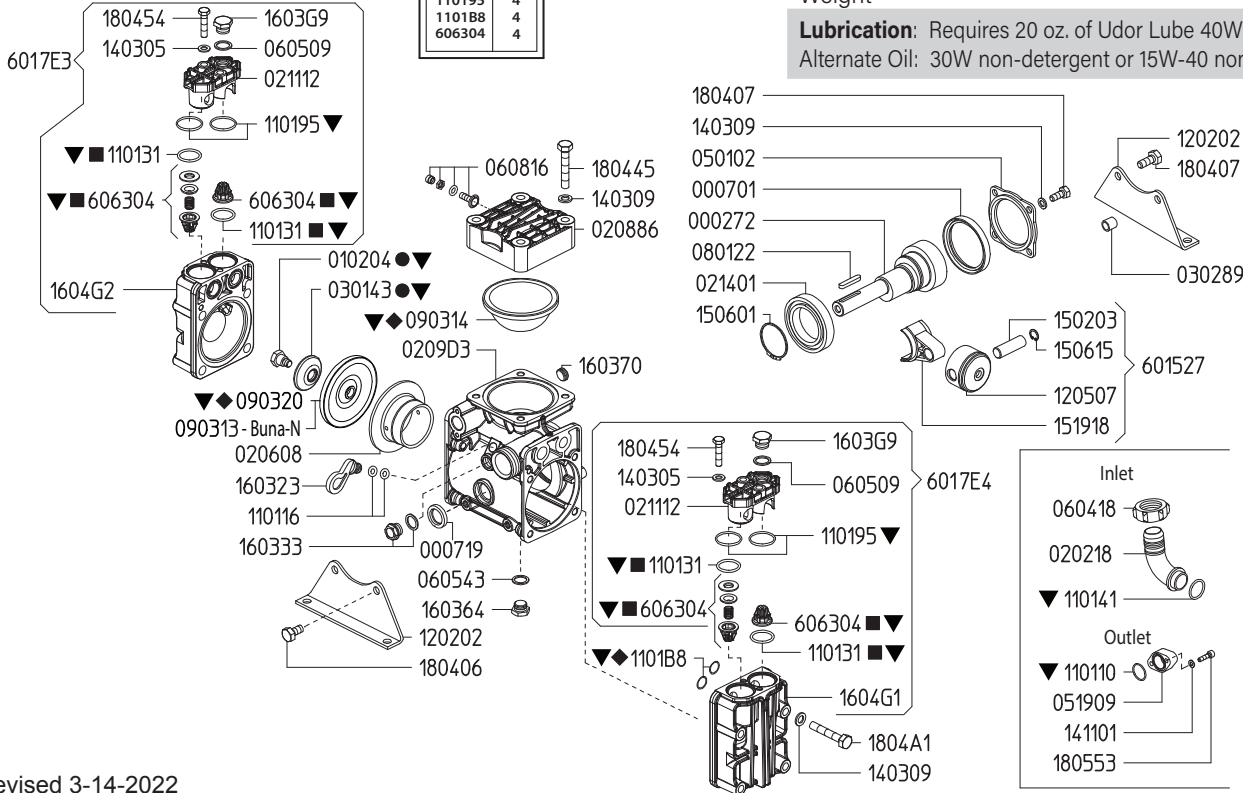
Part #	Description	Qty	Part #	Description	Qty
0001.06	RETAINER RING	2	1403.05	WASHER M8	4
0002.H3	SHAFT "DELTA 40"	1	1403.09	WASHER M10	12
0006.02	BUSHING D25	1	1411.01	SERATED WASHER M6	2
0007.61	OIL SEAL D35	1	1502.03	PIN D15X48	2
0102.04	DIAPHRAGM BOLT ●▼	2	1506.07	SNAP RING D72	1
0202.18	HOSE BARB D25 (1")	1	1506.15	SNAP RING D15	2
0206.08	SLEEVE D55	2	1519.18	CONNECTING ROD	2
0209.D1	CRANKCASE	1	1603.23	OIL PLUG W/O O-RINGS	1
0211.12	VALVE COVER	2	1603.33	PLUG G3/8+GASKET	1
0214.05	BALL BEARING D35	1	1603.64	PLUG G3/8	1
0301.30	BEARING DISC	1	1603.70	PLUG G3/8	1
0301.43	DIAPHRAGM DISC ●▼	2	1603.G9	HEAD PLUG 3/8	2
0302.50	ROD SPACER	2	1604.G1	RIGHT HEAD	1
0302.89	SPACER	2	1604.G2	LEFT HEAD	1
0519.09	REMOTE CONTROL FLANGE G1/2	1	1804.06	HEX BOLT M10X20	2
0604.18	BARB NUT M42X2	1	1804.07	HEX BOLT M10X25	2
0605.09	GASKET D17	2	1804.45	HEX BOLT M10X60	4
0605.43	GASKET D17	1	1804.54	HEX BOLT M8X35	4
0608.16	AIR VALVE ASSEMBLY	1	1804.A1	HEX BOLT M10X70	8
0801.02	KEY A8X7X25	1	1805.53	ALLEN BOLT M6X22	2
0903.13	PISTON DIAPHRAGM D100 BUNA-N	2	6015.27	ROD ASSEMBLY D55	2
0903.14	ACCUMULATOR DIAPHRAGM ◆▼	1	6017.E3	HEAD ASSEMBLY - LEFT	1
0903.20	PISTON DIAPHRAGM D100 GREENTECH ◆▼	2	6017.E4	HEAD ASSEMBLY - RIGHT	1
1101.10	O-RING - DISCHARGE PORT	1	6063.04	VALVE ASSEMBLY W/O O-RING ■▼	4
1101.16	O-RING - OIL PLUG	2	6062.B4	DIAPHRAGM BOLT / WASHER KIT (KIT 612)	1
1101.31	O-RING - VALVE ■▼	4	6062.G3	IN/OUTLET VALVE KIT (KIT 663)	1
1101.41	O-RING - INLET HOSE BARB▼	1	6062.G4	DIAPHRAGM KIT - GREENTECH (KIT 664)	1
1101.95	O-RING - VALVE COVER▼	4	8700.85CK	COMPLETE REPAIR KIT	1
1101.B8	O-RING - HEAD◆▼	4			
1202.02	BASE PLATE	2			
1205.07	ALUMINIUM PISTON D55	2			

- Parts in 6062.B4 (Kit 612)
- Parts in 6062.G3 (Kit 663)
- ◆ Parts in 6062.G4 (Kit 664)
- ▼ Parts in 8700.85CK (Complete Repair Kit)

6062B4 KIT 612		6062G3 KIT 663		6062G4 KIT 664		8700.85CK	
CODE	QTY	CODE	QTY	CODE	QTY	CODE	QTY
010204	2	110131	4	090314	1	010204	2
030143	2	606304	4	090320	2	030143	2
				1101B8	4	090320	2
						110131	4
						110141	1
						110195	4
						1101B8	4
						606304	4

Maximum Flow	10.5 GPM / 40 lpm
Maximum Pressure	560 PSI / 40 bar
Maximum RPM	550 RPM
Inlet Port - Hose Barb	1" HB
Outlet Ports - Hose Barb, Valve	(2) 1/2" HB
Bypass - Hose Barb	3/4" HB
Dimensions	10.5"L x 11.5"W x 10.5"H
Weight	29 lbs

Lubrication: Requires 20 oz. of Udor Lube 40W Premium Pump Oil.
Alternate Oil: 30W non-detergent or 15W-40 non-detergent oil.



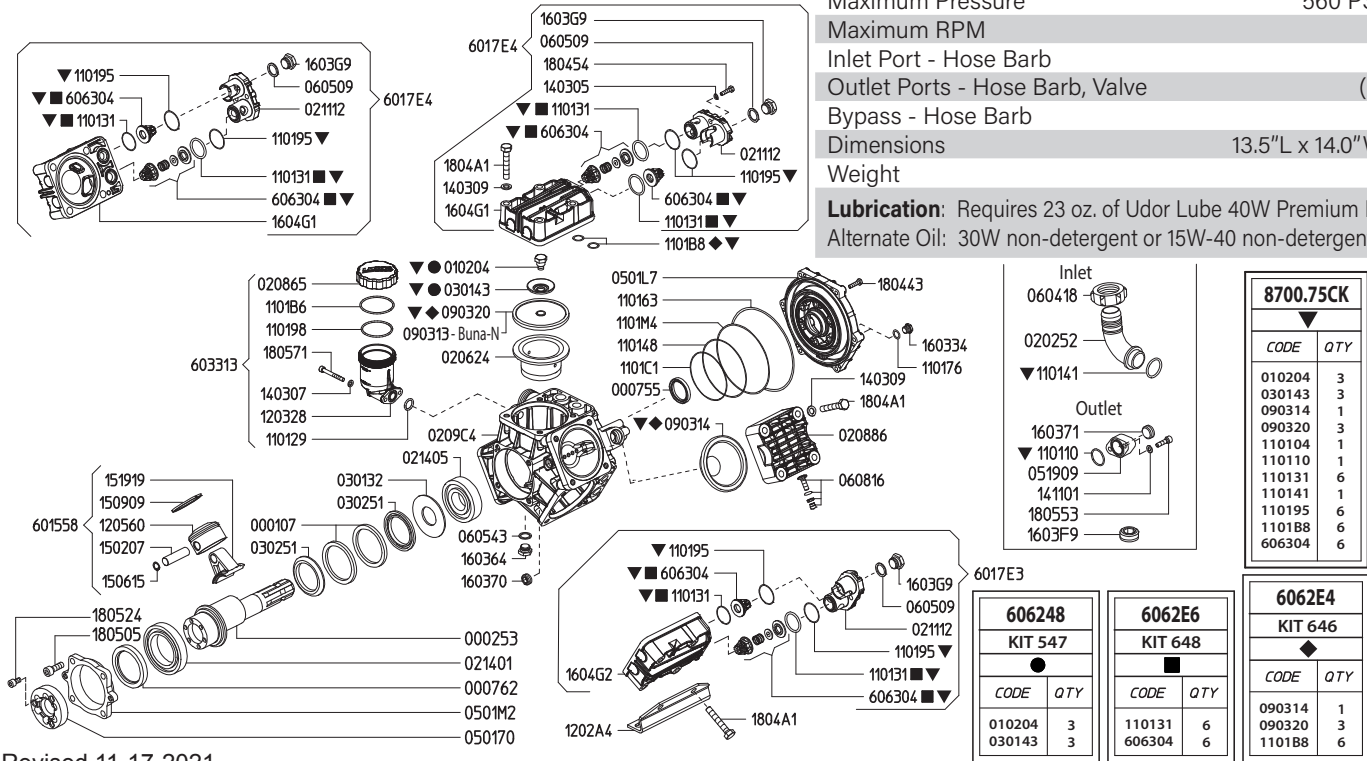
Revised 3-14-2022

Part #	Description	Qty	Part #	Description	Qty
0002.72	SHAFT "DELTA 40" TS FVA	1	1403.05	WASHER M8	4
0007.01	OIL SEAL D78	1	1403.09	WASHER M10	14
0007.19	OIL SEAL D25	1	1411.01	SERATED WASHER M6	2
0102.04	DIAPHRAGM BOLT ●▼	2	1502.03	PIN D15X48	2
0202.18	HOSE BARB D25 (1")	1	1506.01	SNAP RING D60	1
0206.08	SLEEVE D55	2	1506.15	SNAP RING D15	2
0209.D3	CRANKCASE "DELTA 40/50" TS	1	1519.18	CONNECTING ROD	2
0211.12	VALVE COVER	2	1603.23	OIL PLUG W/O O-RINGS	1
0214.01	DIAPHRAGM	1	1603.33	PLUG G3/8+GASKET	1
0301.43	DIAPHRAGM DISC ●▼	2	1603.64	PLUG G3/8	1
0302.50	ROD SPACER	2	1603.G9	HEAD PLUG 3/8	2
0302.89	SPACER	2	1604.G1	RIGHT HEAD	1
0501.02	FLANGE	1	1604.G2	LEFT HEAD	1
0519.09	REMOTE CONTROL FLANGE G1/2	1	1804.06	HEX BOLT M10X20	2
0604.18	BARB NUT M42X2	1	1804.07	HEX BOLT M10X25	4
0605.09	GASKET D17	2	1804.45	HEX BOLT M10X60	4
0605.43	GASKET D17	1	1804.54	HEX BOLT M8X35	4
0608.16	AIR VALVE ASSEMBLY	1	1804.A1	HEX BOLT M10X70	8
0801.22	KEY A8X7X45	1	1805.53	ALLEN BOLT M6X22	2
0903.13	PISTON DIAPHRAGM D100 BUNA-N	2	6015.27	ROD ASSEMBLY D55	2
0903.14	ACCUMULATOR DIAPHRAGM ◆▼	1	6017.E3	HEAD ASSEMBLY - LEFT	1
0903.20	PISTON DIAPHRAGM D100 GREENTECH ◆▼	2	6017.E4	HEAD ASSEMBLY - RIGHT	1
1101.10	O-RING - DISCHARGE PORT	1	6063.04	VALVE ASSEMBLY W/O O-RING ■▼	4
1101.16	O-RING - OIL PLUG	2	6062.B4	DIAPHRAGM BOLT / WASHER KIT (KIT 612)	1
1101.31	O-RING - VALVE ■▼	4	6062.G3	IN/OUTLET VALVE KIT (KIT 663)	1
1101.41	O-RING - INLET HOSE BARB ▼	1	6062.G4	DIAPHRAGM KIT - GREENTECH (KIT 664)	1
1101.95	O-RING - VALVE COVER ▼	4	8700.85CK	COMPLETE REPAIR KIT	1
1101.B8	O-RING - HEAD ◆▼	4			
1202.02	BASE PLATE	2			
1205.07	ALUMINIUM PISTON D55	2			

- Parts in 6062.B4 (Kit 612)
- Parts in 6062.G3 (Kit 663)
- ◆ Parts in 6062.G4 (Kit 664)
- ▼ Parts in 8700.85CK (Complete Repair Kit)

Maximum Flow	20.0 GPM / 79 lpm
Maximum Pressure	560 PSI / 38 bar
Maximum RPM	540
Inlet Port - Hose Barb	1-1/4" HB
Outlet Ports - Hose Barb, Valve	(2) 1/2" HB
Bypass - Hose Barb	3/4" HB
Dimensions	13.5"L x 14.0"W x 12.0"H
Weight	46 lbs

Lubrication: Requires 23 oz. of Udor Lube 40W Premium Pump Oil.
Alternate Oil: 30W non-detergent or 15W-40 non-detergent oil.



8700.75CK	
CODE	QTY
010204	3
030143	3
090314	1
090320	3
110104	1
110110	1
110131	6
110141	1
110195	6
110188	6
606304	6

606248 KIT 547	
CODE	QTY
010204	3
030143	3

6062E6 KIT 648	
CODE	QTY
110131	6
606304	6

6062E4 KIT 646	
CODE	QTY
090314	1
090320	3
110188	6

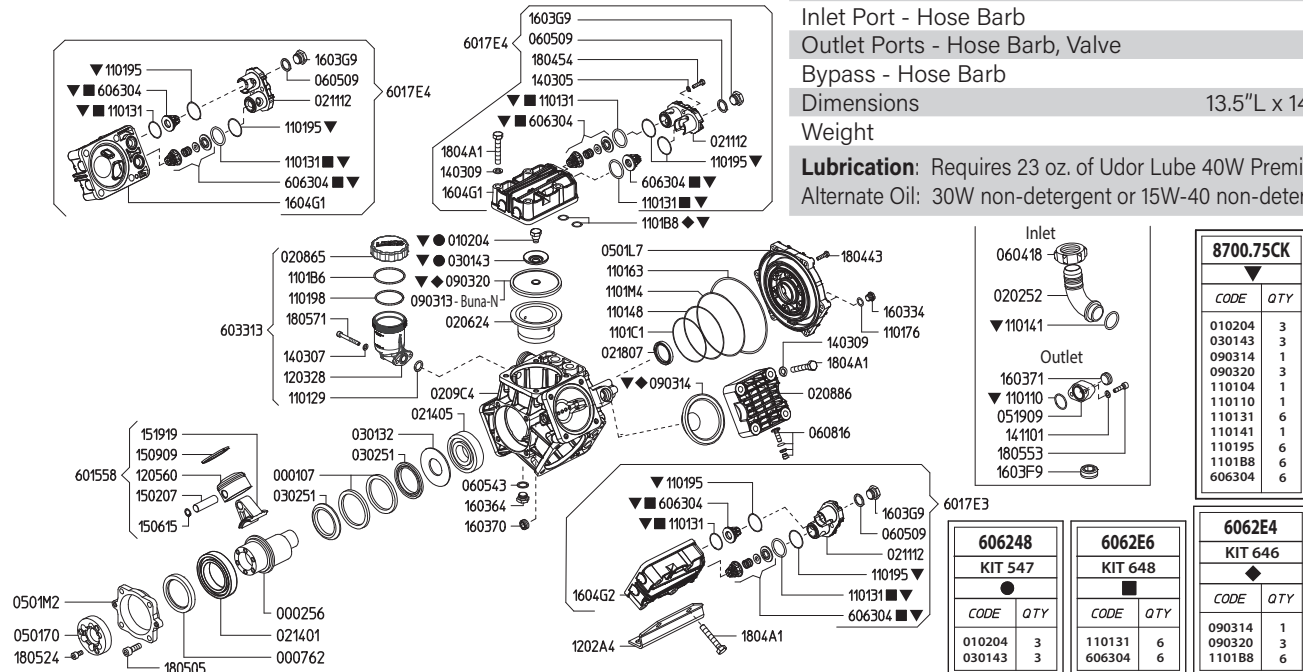
Revised 11-17-2021

Part #	Description	Qty	Part #	Description	Qty
0001.07	RETAINER RING	2	1101.M4	O-RING - CRANKCASE FLANGE	1
0002.53	SHAFT "DELTA 75/100/125" TSVA	1	1202.A4	BASE PLATE	2
0007.55	OIL SEAL D16	1	1203.28	OIL RESERVOIR	1
0007.62	OIL SEAL D60	1	1205.60	ALUMINIUM PISTON D60	3
0102.04	DIAPHRAGM BOLT ●▼	3	1403.05	WASHER M8	2
0202.52	HOSE BARB D32	1	1403.07	WASHER M6	2
0206.24	SLEEVE D60	3	1403.09	WASHER M10	16
0208.86	ACCUMULATOR COVER	1	1411.01	SERATED WASHER D6	2
0208.65	OIL RESERVOIR COVER	1	1502.07	PIN D15X54	3
0209.C4	CRANKCASE "DELTA 75"	1	1506.15	SNAP RING D15	3
0211.12	VALVE COVER	3	1509.09	PISTON RING D60	3
0214.01	BALL BEARING D60	1	1519.19	CONNECTING ROD	3
0214.05	BALL BEARING D35	1	1603.36	PLUG G3/4	2
0301.32	BEARING DISC	1	1603.64	PLUG G3/8	1
0301.43	DIAPHRAGM DISC ●▼	3	1603.70	PLUG G3/8	1
0302.51	ROD SPACER	2	1603.71	PLUG G1/2	1
0501.70	FLANGE - VA	1	1603.F9	PLUG G3/4	1
0501.L7	CRANKCASE FLANGE	1	1603.G9	HEAD PLUG 3/8	3
0501.M2	BEARING FLANGE - VA	1	1604.G1	RIGHT/TOP HEAD	2
0519.09	REMOTE CONTROL FLANGE G1/2	1	1604.G2	LEFT HEAD	1
0604.18	PLASTIC NUT M4X2	1	1804.43	HEX BOLT M6X35	6
0605.09	GASKET D17	3	1804.54	HEX BOLT M8X35	6
0605.43	GASKET D17	1	1804.A1	HEX BOLT M10X70	16
0608.16	AIR VALVE ASSEMBLY	1	1805.05	ALLEN BOLT M10X30	4
0903.38	PISTON DIAPHRAGM D100 BUNA-N	3	1805.24	ALLEN BOLT M8X16	6
0903.14	ACCUMULATOR DIAPHRAGM ◆▼	1	1805.71	ALLEN BOLT M6X50	2
0903.38	PISTON DIAPHRAGM D100 GREENTECH ◆▼	3	1805.53	ALLEN BOLT M6X22	2
1101.10	O-RING - DISCHARGE PORT ▼	1	6015.58	ROD ASSY "DELTA 75" D60	3
1101.29	O-RING - OIL RESERVOIR	1	6017.E3	HEAD ASSEMBLY - LEFT	1
1101.31	O-RING - VALVE ■▼	6	6017.E4	HEAD ASSEMBLY - RIGHT/TOP	2
1101.41	O-RING - INLET HOSE BARB ▼	1	6033.13	OIL RESERVOIR ASSEMBLY	1
1101.48	O-RING - CRANKCASE FLANGE	1	6063.04	VALVE ASSEMBLY W/O O-RING ■▼	6
1101.63	O-RING - CRANKCASE FLANGE	1	6062.48	DIAPHRAGM BOLT / WASHER KIT (KIT 547)	1
1101.76	O-RING - PLUG	2	6062.E4	DIAPHRAGM KIT - GREENTECH (KIT 646)	1
1101.95	O-RING - VALVE COVER ▼	6	6062.E6	IN/OUTLET VALVE KIT (KIT 648)	1
1101.98	O-RING - OIL RESERVOIR	1	8700.75CK	COMPLETE REPAIR KIT	1
1101.B6	O-RING - OIL RESERVOIR	1			
1101.B8	O-RING - HEAD ◆▼	6			
1101.C1	O-RING - CRANKCASE FLANGE	1			

- Parts in 6062.48 (Kit 547)
- ◆ Parts in 6062.E4 (Kit 646)
- Parts in 6062.E6 (Kit 648)
- ▼ Parts in 8700.75CK (Complete Repair Kit)

Maximum Flow	20.0 GPM / 79 lpm
Maximum Pressure	560 PSI / 38 bar
Maximum RPM	540
Inlet Port - Hose Barb	1-1/4" HB
Outlet Ports - Hose Barb, Valve	(2) 1/2" HB
Bypass - Hose Barb	3/4" HB
Dimensions	13.5"L x 14.0"W x 12.0"H
Weight	46 lbs

Lubrication: Requires 23 oz. of Udor Lube 40W Premium Pump Oil.
Alternate Oil: 30W non-detergent or 15W-40 non-detergent oil.



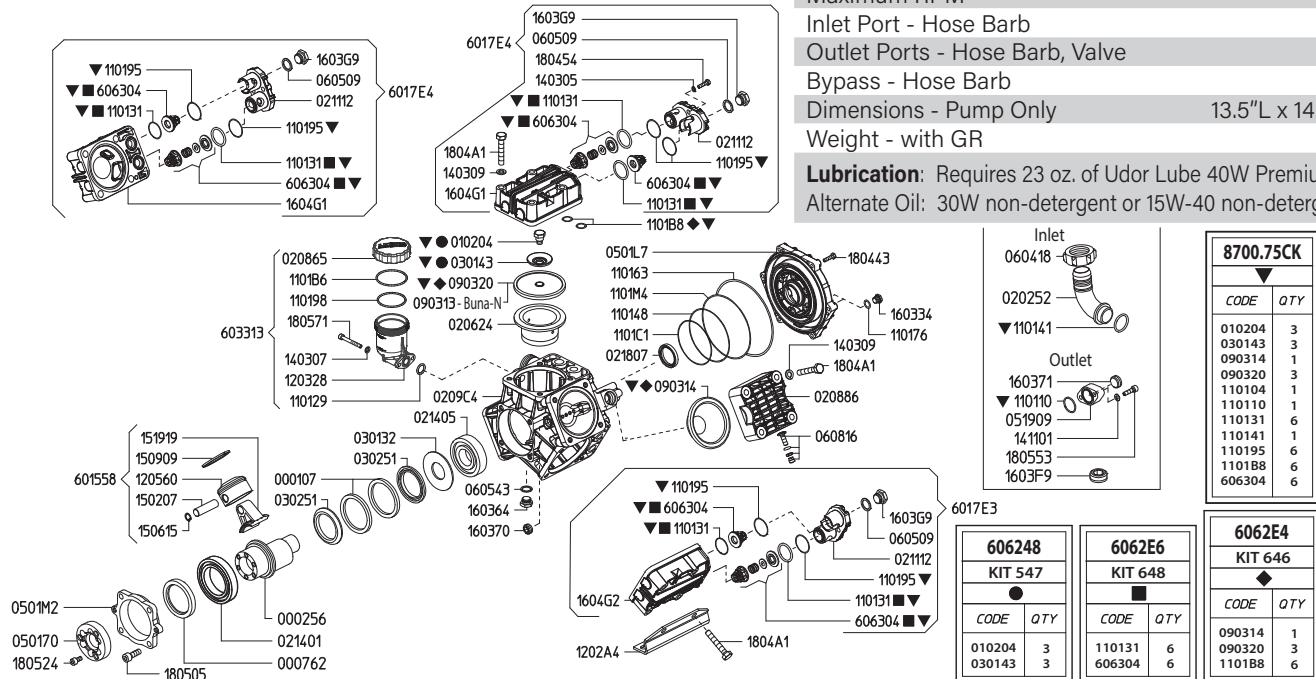
Revised 11-17-2021

Part #	Description	Qty	Part #	Description	Qty
0001.07	RETAINER RING	2	1101.M4	O-RING - CRANKCASE FLANGE	1
0002.56	SHAFT - VA	1	1202.A4	BASE PLATE	2
0007.62	OIL SEAL D60	1	1203.28	OIL RESERVOIR	1
0102.04	DIAPHRAGM BOLT ●▼	3	1205.60	ALUMINIUM PISTON D60	3
0202.52	HOSE BARB D32	1	1403.05	WASHER M8	2
0206.24	SLEEVE D60	3	1403.07	WASHER M6	2
0208.86	ACCUMULATOR COVER	1	1403.09	WASHER M10	16
0208.65	OIL RESERVOIR COVER	1	1411.01	SERATED WASHER D6	2
0209.C4	CRANKCASE	1	1502.07	PIN D15X54	3
0211.12	VALVE COVER	3	1506.15	SNAP RING D15	3
0214.01	BALL BEARING D60	1	1509.09	PISTON RING D60	3
0214.05	BALL BEARING D35	1	1519.19	CONNECTING ROD	3
0218.07	CAP D47X7	1	1603.36	PLUG G3/4	2
0301.32	BEARING DISC	1	1603.64	PLUG G3/8	1
0301.43	DIAPHRAGM DISC ●▼	3	1603.70	PLUG G3/8	1
0302.51	ROD SPACER	2	1603.71	PLUG G1/2	1
0501.70	FLANGE - VA	1	1603.F9	PLUG G3/4	1
0501.L7	CRANKCASE FLANGE	1	1603.G9	HEAD PLUG 3/8	3
0501.M2	BEARING FLANGE- VA	1	1604.G1	RIGHT/TOP HEAD	2
0519.09	REMOTE CONTROL FLANGE G1/2	1	1604.G2	LEFT HEAD	1
0604.18	BARB NUT M42X2	1	1804.43	HEX BOLT M6X35	6
0605.09	GASKET D17	3	1804.54	HEX BOLT M8X35	6
0605.43	GASKET D17	1	1804.A1	HEX BOLT M10X70	16
0608.16	AIR VALVE ASSEMBLY	1	1805.05	ALLEN BOLT M10X30	4
0903.13	PISTON DIAPHRAGM D100 BUNA-N	3	1805.24	ALLEN BOLT M8X16	6
0903.14	ACCUMULATOR DIAPHRAGM ◆▼	1	1805.71	ALLEN BOLT M6X50	2
0903.20	PISTON DIAPHRAGM D100 GREENTECH ◆▼	3	1805.53	ALLEN BOLT M6X22	2
1101.10	O-RING - DISCHARGE PORT▼	1	6015.58	ROD ASSEMBLY D60	3
1101.29	O-RING - OIL RESERVOIR	1	6017.E3	HEAD ASSEMBLY - LEFT	1
1101.31	O-RING - VALVE ■▼	6	6017.E4	HEAD ASSEMBLY - RIGHT/TOP	2
1101.41	O-RING - INLET HOSE BARB▼	1	6033.13	OIL RESERVOIR ASSEMBLY	1
1101.48	O-RING - CRANKCASE FLANGE	1	6063.04	VALVE ASSEMBLY W/O O-RING ■▼	6
1101.63	O-RING - CRANKCASE FLANGE	1	6062.48	DIAPHRAGM BOLT/WASHER KIT (KIT547)	1
1101.76	O-RING - PLUG	2	6062.E4	DIAPHRAGM KIT GREENTECH (KIT 646)	1
1101.95	O-RING - VALVE COVER▼	6	6062.E6	IN/OUTLET VALVE KIT (KIT 648)	1
1101.98	O-RING - OIL RESERVOIR	1	8700.75CK	COMPLETE REPAIR KIT	1
1101.B6	O-RING - OIL RESERVOIR	1			
1101.B8	O-RING - HEAD◆▼	6			
1101.C1	O-RING - CRANKCASE FLANGE	1			

- Parts in 6062.48 (Kit 547)
- ◆ Parts in 6062.E4 (Kit 646)
- Parts in 6062.E6 (Kit 648)
- ▼ Parts in 8700.75CK (Complete Repair Kit)

Maximum Flow	20.0 GPM / 79 lpm
Maximum Pressure	560 PSI / 38 bar
Maximum RPM	540
Inlet Port - Hose Barb	1-1/4" HB
Outlet Ports - Hose Barb, Valve	(2) 1/2" HB
Bypass - Hose Barb	3/4" HB
Dimensions - Pump Only	13.5"L x 14.0"W x 12.0"H
Weight - with GR	58 lbs

Lubrication: Requires 23 oz. of Udor Lube 40W Premium Pump Oil.
Alternate Oil: 30W non-detergent or 15W-40 non-detergent oil.



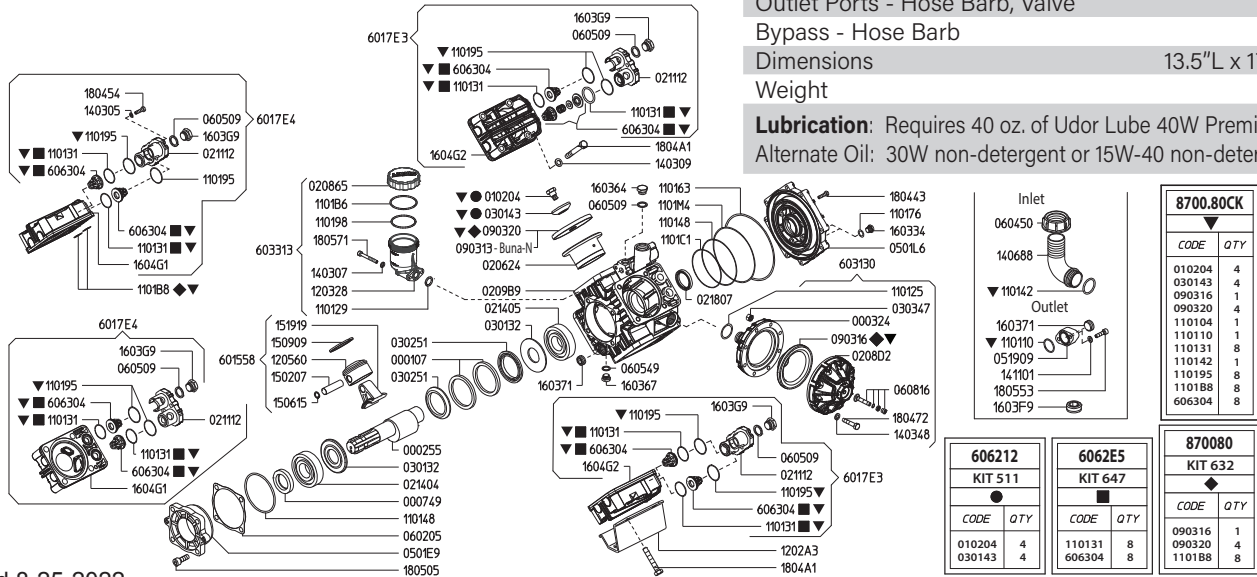
Revised 3-8-2023

Part #	Description	Qty	Part #	Description	Qty
0001.07	RETAINER RING	2	1101.M4	O-RING - CRANKCASE FLANGE	1
0002.56	SHAFT - VA	1	1202.A4	BASE PLATE	2
0007.62	OIL SEAL D60	1	1203.28	OIL RESERVOIR	1
0102.04	DIAPHRAGM BOLT ●▼	3	1205.60	ALUMINIUM PISTON D60	3
0202.52	HOSE BARB D32	1	1403.05	WASHER M8	2
0206.24	SLEEVE D60	3	1403.07	WASHER M6	2
0208.86	ACCUMULATOR COVER	1	1403.09	WASHER M10	16
0208.65	OIL RESERVOIR COVER	1	1411.01	SERATED WASHER D6	2
0209.C4	CRANKCASE	1	1502.07	PIN D15X54	3
0211.12	VALVE COVER	3	1506.15	SNAP RING D15	3
0214.01	BALL BEARING D60	1	1509.09	PISTON RING D60	3
0214.05	BALL BEARING D35	1	1519.19	CONNECTING ROD	3
0218.07	CAP D47X7	1	1603.36	PLUG G3/4	2
0301.32	BEARING DISC	1	1603.64	PLUG G3/8	1
0301.43	DIAPHRAGM DISC ●▼	3	1603.70	PLUG G3/8	1
0302.51	ROD SPACER	2	1603.71	PLUG G1/2	1
0501.70	FLANGE - VA	1	1603.F9	PLUG G3/4	1
0501.L7	CRANKCASE FLANGE	1	1603.G9	HEAD PLUG 3/8	3
0501.M2	BEARING FLANGE- VA	1	1604.G1	RIGHT/TOP HEAD	2
0519.09	REMOTE CONTROL FLANGE G1/2	1	1604.G2	LEFT HEAD	1
0604.18	BARB NUT M42X2	1	1804.43	HEX BOLT M6X35	6
0605.09	GASKET D17	3	1804.54	HEX BOLT M8X35	6
0605.43	GASKET D17	1	1804.A1	HEX BOLT M10X70	16
0608.16	AIR VALVE ASSEMBLY	1	1805.05	ALLEN BOLT M10X30	4
0903.13	PISTON DIAPHRAGM D100 BUNA-N	3	1805.24	ALLEN BOLT M8X16	6
0903.14	ACCUMULATOR DIAPHRAGM ◆▼	1	1805.71	ALLEN BOLT M6X50	2
0903.20	PISTON DIAPHRAGM D100 GREENTECH ◆▼	3	1805.53	ALLEN BOLT M6X22	2
1101.10	O-RING - DISCHARGE PORT▼	1	6015.58	ROD ASSEMBLY D60	3
1101.29	O-RING - OIL RESERVOIR	1	6017.E3	HEAD ASSEMBLY - LEFT	1
1101.31	O-RING - VALVE ■▼	6	6017.E4	HEAD ASSEMBLY - RIGHT/TOP	2
1101.41	O-RING - INLET HOSE BARB▼	1	6033.13	OIL RESERVOIR ASSEMBLY	1
1101.48	O-RING - CRANKCASE FLANGE	1	6063.04	VALVE ASSEMBLY W/O O-RING ■▼	6
1101.63	O-RING - CRANKCASE FLANGE	1	6062.48	DIAPHRAGM BOLT/WASHER KIT (KIT547)	1
1101.76	O-RING - PLUG	2	6062.E4	DIAPHRAGM KIT GREENTECH (KIT 646)	1
1101.95	O-RING - VALVE COVER▼	6	6062.E6	IN/OUTLET VALVE KIT (KIT 648)	1
1101.98	O-RING - OIL RESERVOIR	1	8700.75CK	COMPLETE REPAIR KIT	1
1101.B6	O-RING - OIL RESERVOIR	1			
1101.B8	O-RING - HEAD◆▼	6			
1101.C1	O-RING - CRANKCASE FLANGE	1			

- Parts in 6062.48 (Kit 547)
- ◆ Parts in 6062.E4 (Kit 646)
- Parts in 6062.E6 (Kit 648)
- ▼ Parts in 8700.75CK (Complete Repair Kit)

Maximum Flow	26.0 GPM
Maximum Pressure	560 PSI
Maximum RPM	540
Inlet Port - Hose Barb	1-1/2" HB
Outlet Ports - Hose Barb, Valve	(2) 1/2" HB
Bypass - Hose Barb	3/4" HB
Dimensions	13.5"L x 17.0"W x 13.0"H
Weight	51 lbs

Lubrication: Requires 40 oz. of Udor Lube 40W Premium Pump Oil.
Alternate Oil: 30W non-detergent or 15W-40 non-detergent oil.

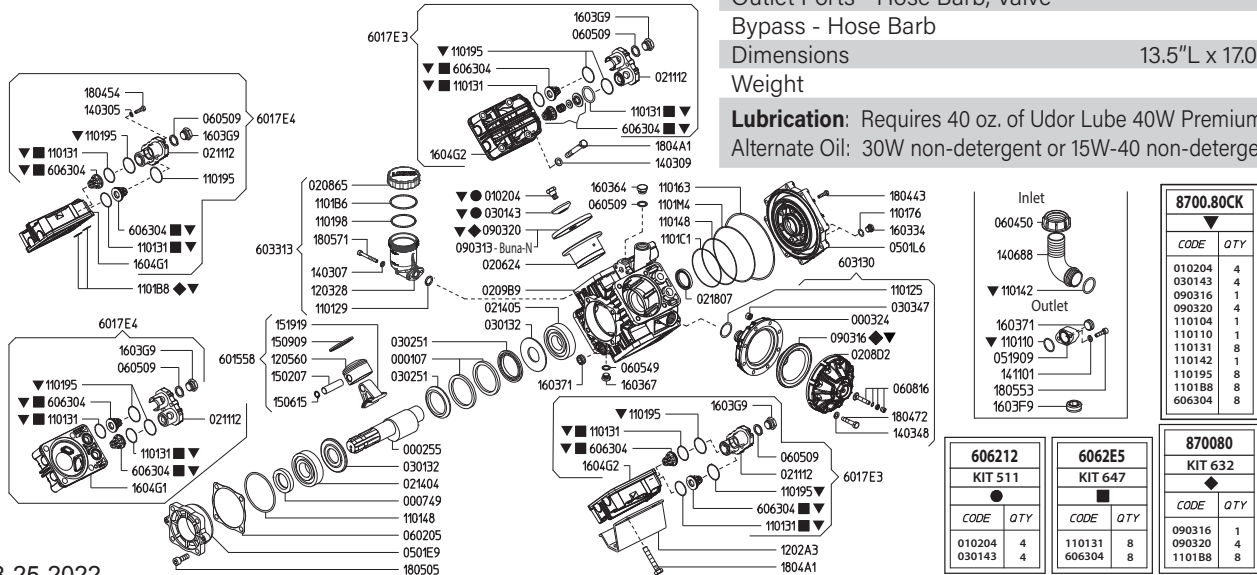


Revised 8-25-2022

Part #	Description	Qty	Part #	Description	Qty
0001.07	RETAINER RING	2	1202.A3	BASE PLATE	2
0002.55	SHAFT - 1C	1	1203.28	OIL RESERVOIR	1
0003.24	PRESSURE ACCUMULATOR BASE	1	1205.60	ALUMINIUM PISTON D60	4
0007.49	OIL SEAL D35	1	1403.05	WASHER M8	8
0102.04	DIAPHRAGM BOLT ●▼	4	1403.07	WASHER M6	2
0206.24	SLEEVE D60	4	1403.09	WASHER M10	16
0208.65	OIL RESERVOIR COVER	1	1403.48	WASHER M8	8
0208.D2	PRESSURE ACCUMULATOR COVER	1	1406.88	HOSE BARB D38	1
0209.B9	CRANKCASE	1	1411.01	SERATED WASHER M6	2
0211.12	VALVE COVER	4	1502.07	PIN D15X54	4
0214.04	BALL BEARING D35	1	1506.15	SNAP RING D15	4
0214.05	BALL BEARING D35	1	1509.09	PISTON RING D60	4
0218.07	CAP D47X7	1	1519.19	CONNECTING ROD	4
0301.32	BEARING DISC	2	1603.34	PLUG G1/4	2
0301.43	DIAPHRAGM DISC ●▼	4	1603.64	PLUG G3/8	1
0302.51	ROD SPACER	2	1603.67	PLUG G1/4	1
0303.47	HEX NUT M8X8	8	1603.71	PLUG G1/2	2
0501.E9	BUSHING FLANGE	1	1603.F9	PLUG G3/4	1
0501.L6	CRANKCASE FLANGE	1	1603.G9	HEAD PLUG 3/8	4
0519.09	REMOTE CONTROL FLANGE G1/2	1	1604.G1	RIGHT HEAD	2
0602.05	GASKET	1	1604.G2	LEFT HEAD	2
0604.50	BARB NUT G1-1/2"	1	1804.43	HEX BOLT M6X35	14
0605.09	GASKET D17	4	1804.54	HEX BOLT M8X35	8
0605.49	GASKET D13	1	1804.72	HEX BOLT M8X50	8
0608.16	AIR VALVE ASSEMBLY	1	1804.A1	HEX BOLT M10X70	16
0903.13	PISTON DIAPHRAGM D100 BUNA-N	4	1805.05	ALLEN BOLT M10X30	4
0903.16	ACCUMULATOR DIAPHRAGM ◆▼	1	1805.71	ALLEN BOLT M6X50	2
0903.20	PISTON DIAPHRAGM D100 GREENTECH ◆▼	4	1805.53	ALLEN BOLT M6X22	2
1101.10	O-RING - DISCHARGE PORT ▼	1	6015.58	ROD ASSEMBLY D60	4
1101.25	O-RING - PRESSURE ACCUMULATOR	1	6017.E3	HEAD ASSEMBLY - LEFT	2
1101.29	O-RING - OIL RESERVOIR	1	6017.E4	HEAD ASSEMBLY - RIGHT	2
1101.31	O-RING - VALVE ■▼	8	6031.30	PRESSURE ACCUMULATOR	1
1101.42	O-RING - INLET HOSE BARB ▼	1	6033.13	OIL RESERVOIR ASSEMBLY	1
1101.48	O-RING - CRANKCASE FLANGE	2	6063.04	VALVE ASSEMBLY W/O O-RING ■▼	8
1101.63	O-RING - CRANKCASE FLANGE	1	6062.12	DIAPHRAGM BOLT / WASHER KIT (KIT 511)	1
1101.76	O-RING - PLUG	2	6062.E5	IN/OUTLET VALVE KIT(KIT 647)	1
1101.95	O-RING - VALVE COVER ▼	8	8700.80	DIAPHRAGM KIT - GREENTECH (KIT 632)	1
1101.98	O-RING - OIL RESERVOIR	1	8700.80CK	COMPLETE REPAIR KIT	1
1101.B6	O-RING - OIL RESERVOIR	1	●	Parts in 6062.12 (Kit 511)	
1101.B8	O-RING - HEAD◆▼	8	■	Parts in 6062.E5 (Kit 647).	
1101.C1	O-RING - CRANKCASE FLANGE	1	◆	Parts in 8700.80 (Kit 632)	
1101.M4	O-RING - CRANKCASE FLANGE	1	▼	Parts in 8700.80CK (Complete Repair Kit)	

Maximum Flow	26.0 GPM
Maximum Pressure	560 PSI
Maximum RPM	540
Inlet Port - Hose Barb	1-1/2" HB
Outlet Ports - Hose Barb, Valve	(2) 1/2" HB
Bypass - Hose Barb	3/4" HB
Dimensions	13.5"L x 17.0"W x 13.0"H
Weight	51 lbs

Lubrication: Requires 40 oz. of Udor Lube 40W Premium Pump Oil.
Alternate Oil: 30W non-detergent or 15W-40 non-detergent oil.

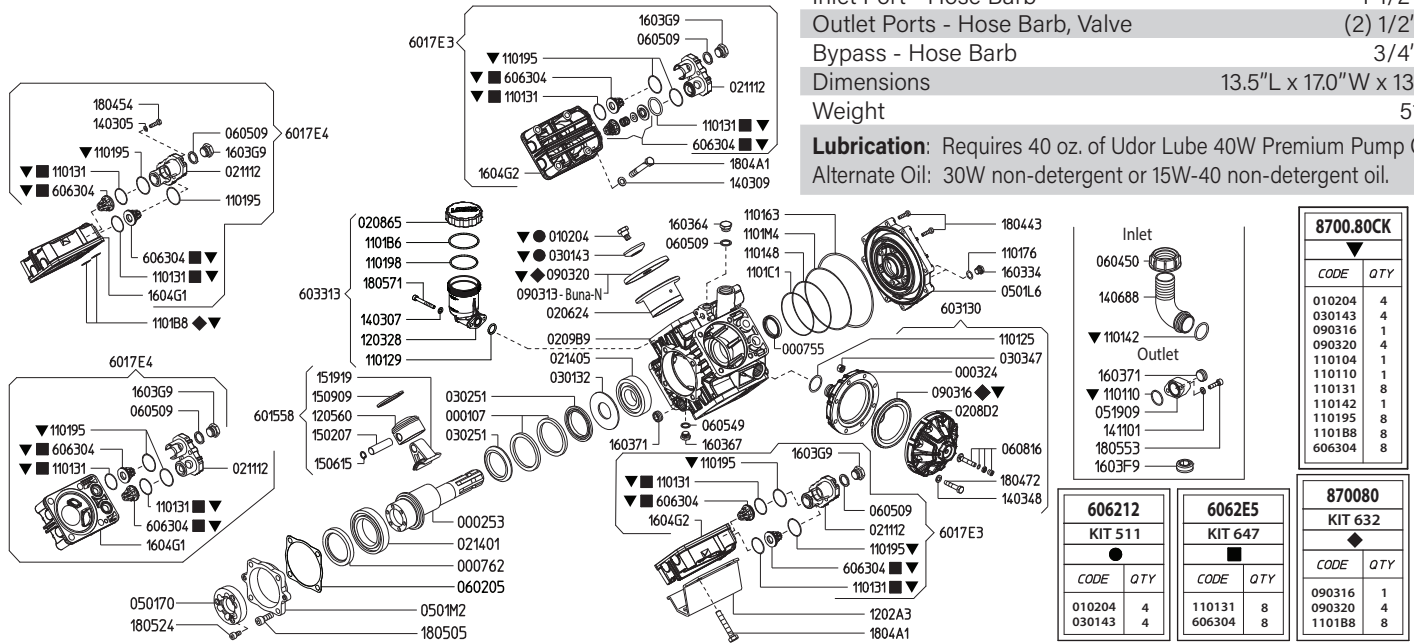


Revised 8-25-2022

Part #	Description	Qty	Part #	Description	Qty
0001.07	RETAINER RING	2	1202.A3	BASE PLATE	2
0002.55	SHAFT - 1C	1	1203.28	OIL RESERVOIR	1
0003.24	PRESSURE ACCUMULATOR BASE	1	1205.60	ALUMINIUM PISTON D60	4
0007.49	OIL SEAL D35	1	1403.05	WASHER M8	8
0102.04	DIAPHRAGM BOLT ●▼	4	1403.07	WASHER M6	2
0206.24	SLEEVE D60	4	1403.09	WASHER M10	16
0208.65	OIL RESERVOIR COVER	1	1403.48	WASHER M8	8
0208.D2	PRESSURE ACCUMULATOR COVER	1	1406.88	HOSE BARB D38	1
0209.B9	CRANKCASE	1	1411.01	SERATED WASHER M6	2
0211.12	VALVE COVER	4	1502.07	PIN D15X54	4
0214.04	BALL BEARING D35	1	1506.15	SNAP RING D15	4
0214.05	BALL BEARING D35	1	1509.09	PISTON RING D60	4
0218.07	CAP D47X7	1	1519.19	CONNECTING ROD	4
0301.32	BEARING DISC	2	1603.34	PLUG G1/4	2
0301.43	DIAPHRAGM DISC ●▼	4	1603.64	PLUG G3/8	1
0302.51	ROD SPACER	2	1603.67	PLUG G1/4	1
0303.47	HEX NUT M8X8	8	1603.71	PLUG G1/2	2
0501.E9	BUSHING FLANGE	1	1603.F9	PLUG G3/4	1
0501.L6	CRANKCASE FLANGE	1	1603.G9	HEAD PLUG 3/8	4
0519.09	REMOTE CONTROL FLANGE G1/2	1	1604.G1	RIGHT HEAD	2
0602.05	GASKET	1	1604.G2	LEFT HEAD	2
0604.50	BARB NUT G1-1/2"	1	1804.43	HEX BOLT M6X35	14
0605.09	GASKET D17	4	1804.54	HEX BOLT M8X35	8
0605.49	GASKET D13	1	1804.72	HEX BOLT M8X50	8
0608.16	AIR VALVE ASSEMBLY	1	1804.A1	HEX BOLT M10X70	16
0903.13	PISTON DIAPHRAGM D100 BUNA-N	4	1805.05	ALLEN BOLT M10X30	4
0903.16	ACCUMULATOR DIAPHRAGM ◆▼	1	1805.71	ALLEN BOLT M6X50	2
0903.20	PISTON DIAPHRAGM D100 GREENTECH ◆▼	4	1805.53	ALLEN BOLT M6X22	2
1101.10	O-RING - DISCHARGE PORT ▼	1	6015.58	ROD ASSEMBLY D60	4
1101.25	O-RING - PRESSURE ACCUMULATOR	1	6017.E3	HEAD ASSEMBLY - LEFT	2
1101.29	O-RING - OIL RESERVOIR	1	6017.E4	HEAD ASSEMBLY - RIGHT	2
1101.31	O-RING - VALVE ■▼	8	6031.30	PRESSURE ACCUMULATOR	1
1101.42	O-RING - INLET HOSE BARB ▼	1	6033.13	OIL RESERVOIR ASSEMBLY	1
1101.48	O-RING - CRANKCASE FLANGE	2	6063.04	VALVE ASSEMBLY W/O O-RING ■▼	8
1101.63	O-RING - CRANKCASE FLANGE	1	6062.12	DIAPHRAGM BOLT / WASHER KIT (KIT 511)	1
1101.76	O-RING - PLUG	2	6062.E5	IN/OUTLET VALVE KIT(KIT 647)	1
1101.95	O-RING - VALVE COVER ▼	8	8700.80	DIAPHRAGM KIT - GREENTECH (KIT 632)	1
1101.98	O-RING - OIL RESERVOIR	1	8700.80CK	COMPLETE REPAIR KIT	1
1101.B6	O-RING - OIL RESERVOIR	1	●	Parts in 6062.12 (Kit 511)	
1101.B8	O-RING - HEAD◆▼	8	■	Parts in 6062.E5 (Kit 647).	
1101.C1	O-RING - CRANKCASE FLANGE	1	◆	Parts in 8700.80 (Kit 632)	
1101.M4	O-RING - CRANKCASE FLANGE	1	▼	Parts in 8700.80CK (Complete Repair Kit)	

Maximum Flow	26.0 GPM / 104 LPM
Maximum Pressure	560 PSI / 40 BAR
Maximum RPM	550 RPM
Inlet Port - Hose Barb	1-1/2" HB
Outlet Ports - Hose Barb, Valve	(2) 1/2" HB
Bypass - Hose Barb	3/4" HB
Dimensions	13.5"L x 17.0"W x 13.0"H
Weight	51 lbs

Lubrication: Requires 40 oz. of Udor Lube 40W Premium Pump Oil.
Alternate Oil: 30W non-detergent or 15W-40 non-detergent oil.

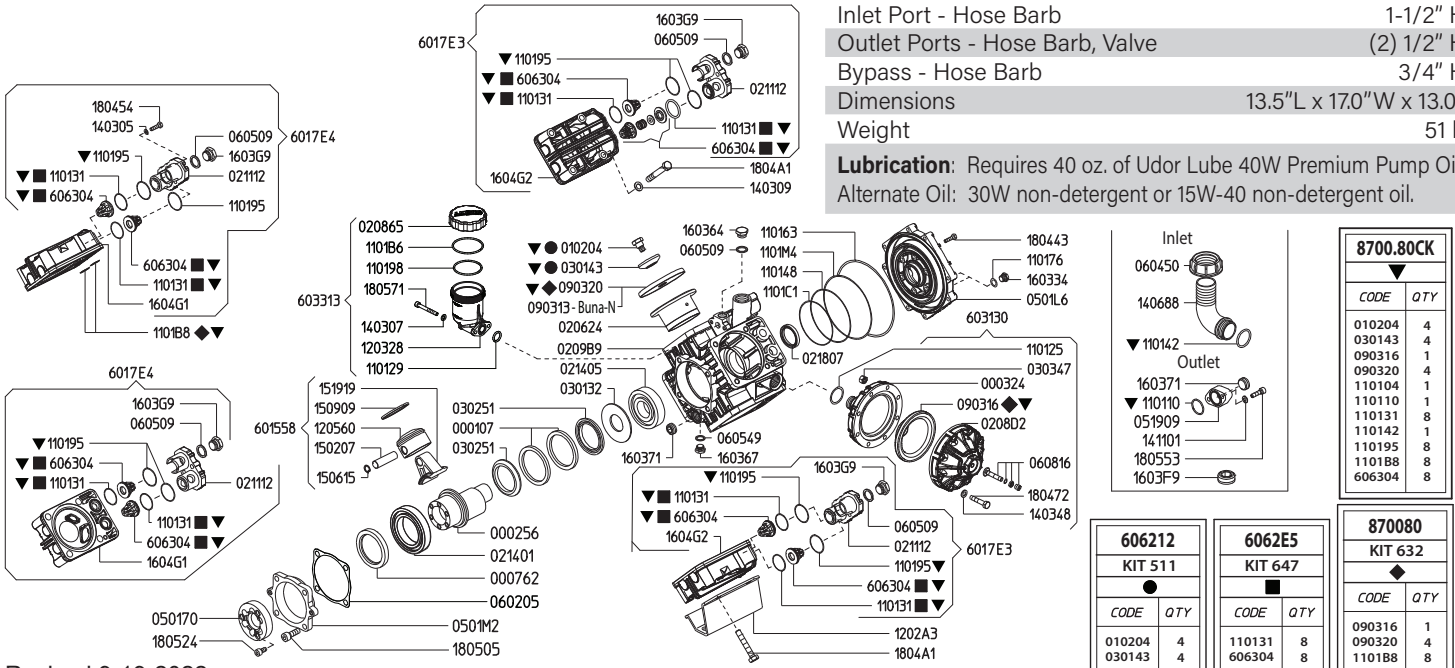


Revised 8-25-2022

Part #	Description	Qty	Part #	Description	Qty
0001.07	RETAINER RING	2	1202.A3	BASE PLATE "DELTA 100"	2
0002.53	SHAFT "DELTA-100" TS VA	1	1203.28	OIL RESERVOIR	1
0003.24	PRESSURE ACCUMULATOR BASE	1	1205.60	ALUMINIUM PISTON D60	4
0007.55	OIL SEAL D35	1	1403.05	WASHER M8	8
0007.62	OIL SEAL D60	1	1403.07	WASHER M6	2
0102.04	DIAPHRAGM BOLT ●▼	4	1403.09	WASHER M10	16
0206.24	SLEEVE D60	4	1403.48	WASHER M8	8
0208.65	OIL RESERVOIR COVER	1	1406.88	HOSE BARB D38	1
0208.D2	PRESSURE ACCUMULATOR COVER	1	1411.01	SERATED WASHER M6	2
0209.B9	CRANKCASE "DELTA 100"	1	1502.07	PIN D15X54	4
0211.12	COVER	4	1506.15	SNAP RING D15	4
0214.01	BALL BEARING D60	1	1509.09	PISTON RING D60	4
0214.05	BALL BEARING D35	1	1519.19	CONNECTING ROD	4
0301.32	BEARING DISC	1	1603.34	PLUG G1/4	2
0301.43	DIAPHRAGM DISC ●▼	4	1603.64	PLUG G3/8	1
0302.51	ROD SPACER	2	1603.67	PLUG G1/4	1
0303.47	HEX NUT M8X8	8	1603.71	PLUG G1/2	2
0501.70	FLANGE VA	1	1603.F9	PLUG G3/4	1
0501.L6	CRANKCASE FLANGE "DELTA 100"	1	1603.G9	HEAD PLUG 3/8	4
0501.M2	FLANGE VA	1	1604.G1	RIGHT HEAD	2
0519.09	REMOTE CONTROL FLANGE G1/2	1	1604.G2	LEFT HEAD	2
0602.05	GASKET	1	1804.43	HEX BOLT M6X35	14
0604.50	BARB NUT G1-1/2"	1	1804.54	HEX BOLT M8X35	8
0605.09	GASKET D17	4	1804.72	HEX BOLT M8X50	8
0605.49	GASKET D13	1	1804.A1	HEX BOLT M10X70	16
0608.16	AIR VALVE ASSEMBLY	1	1805.05	ALLEN BOLT M10X30	4
0903.13	PISTON DIAPHRAGM D100 BUNA-N	4	1805.24	ALLEN BOLT M8X16	3
0903.14	ACCUMULATOR DIAPHRAGM ◆	1	1805.71	ALLEN BOLT M6X50	2
0903.20	PISTON DIAPHRAGM D100 GREENTECH ◆▼	4	1805.53	ALLEN BOLT M6X22	2
1101.10	O-RING - DISCHARGE PORT ▼	1	6015.58	ROD ASSY "DELTA 75" D60	4
1101.25	O-RING - PRESSURE ACCUMULATOR	1	6017.E3	HEAD ASSEMBLY - LEFT	2
1101.29	O-RING - OIL RESERVOIR	1	6017.E4	HEAD ASSEMBLY - RIGHT	2
1101.31	O-RING - VALVE ■▼	8	6031.30	PRESSURE ACCUMULATOR	1
1101.42	O-RING - INLET HOSE BARB ▼	1	6033.13	OIL RESERVOIR ASSEMBLY	1
1101.48	O-RING - CRANKCASE FLANGE	2	6063.04	VALVE ASSEMBLY W/O O-RING ■▼	8
1101.63	O-RING - CRANKCASE FLANGE	1	6062.12	DIAPHRAGM BOLT / WASHER (KIT 511)	1
1101.76	O-RING - PLUG	2	6062.E5	IN/OUTLET VALVE KIT "DELTA 100"(KIT 647)	1
1101.95	O-RING - VALVE COVER ▼	8	8700.80	DIAPHRAGM KIT - GREENTECH (KIT 632)	1
1101.98	O-RING - OIL RESERVOIR	1	8700.80CK	COMPLETE REPAIR KIT	1
1101.B6	O-RING - OIL RESERVOIR	1	●	Parts in 6062.12 (Kit 511)	
1101.B8	O-RING - HEAD◆▼	8	■	Parts in 6062.E5 (Kit 647)	
1101.C1	O-RING - CRANKCASE FLANGE	1	◆	Parts in 8700.80 (Kit 632)	
1101.M4	O-RING - CRANKCASE FLANGE	1	▼	Parts in 8700.80CK (Complete Repair Kit)	

Maximum Flow	26.0 GPM / 104 LPM
Maximum Pressure	560 PSI / 40 BAR
Maximum RPM	550 RPM
Inlet Port - Hose Barb	1-1/2" HB
Outlet Ports - Hose Barb, Valve	(2) 1/2" HB
Bypass - Hose Barb	3/4" HB
Dimensions	13.5"L x 17.0"W x 13.0"H
Weight	51 lbs

Lubrication: Requires 40 oz. of Udor Lube 40W Premium Pump Oil.
Alternate Oil: 30W non-detergent or 15W-40 non-detergent oil.



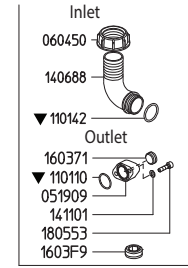
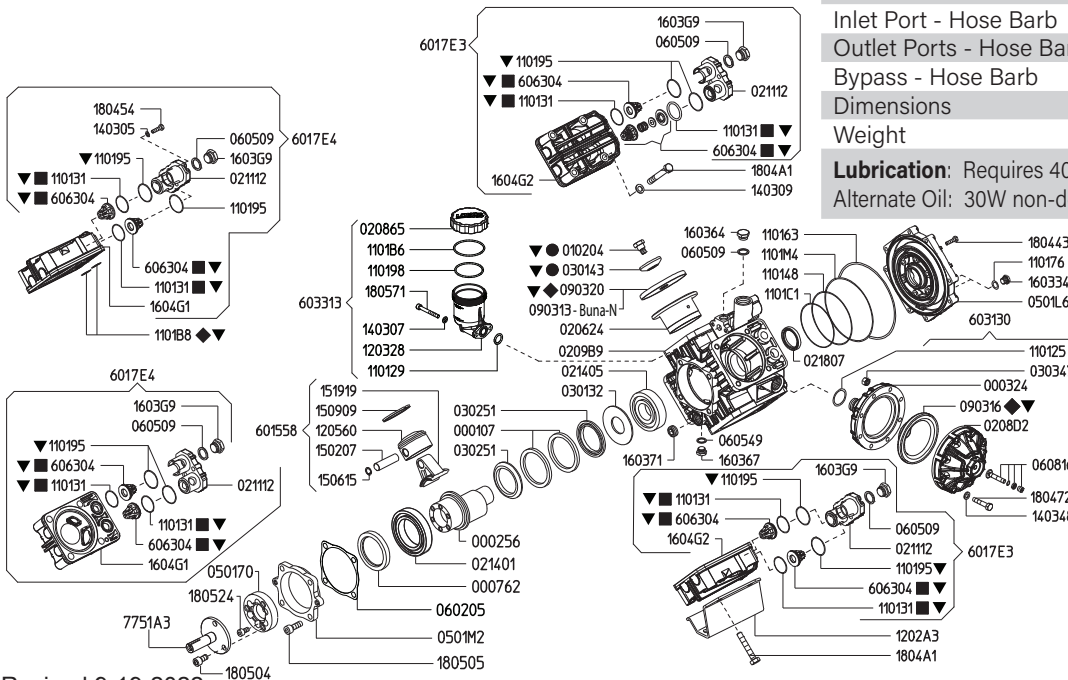
Revised 9-19-2022

Part #	Description	Qty	Part #	Description	Qty
0001.07	RETAINER RING	2	1202.A3	BASE PLATE "DELTA 100"	2
0002.55	SHAFT "DELTA-100" 7C	1	1203.28	OIL RESERVOIR	1
0003.24	PRESSURE ACCUMULATOR BASE	1	1205.60	ALUMINIUM PISTON D60	4
0007.49	OIL SEAL D35	1	1403.05	WASHER M8	8
0102.04	DIAPHRAGM BOLT ●▼	4	1403.07	WASHER M6	2
0206.24	SLEEVE D60	4	1403.09	WASHER M10	16
0208.65	OIL RESERVOIR COVER	1	1403.48	WASHER M8	8
0208.D2	PRESSURE ACCUMULATOR COVER	1	1406.88	HOSE BARB D38	1
0209.B9	CRANKCASE "DELTA 100"	1	1411.01	SERATED WASHER M6	2
0211.12	COVER	4	1502.07	PIN D15X54	4
0214.01	BALL BEARING D60	1	1506.15	SNAP RING D15	4
0214.05	BALL BEARING D35	1	1509.09	PISTON RING D60	4
0218.07	CAP D47X7	1	1519.19	CONNECTING ROD	4
0301.32	BEARING DISC	2	1603.34	PLUG G1/4	2
0301.43	DIAPHRAGM DISC ●▼	4	1603.64	PLUG G3/8	1
0302.51	ROD SPACER	2	1603.67	PLUG G1/4	1
0303.47	HEX NUT M8X8	8	1603.71	PLUG G1/2	2
0501.L6	CRANKCASE FLANGE "DELTA 100"	1	1603.F9	PLUG G3/4	1
0501.M2	BUSHING FLANGE	1	1603.G9	HEAD PLUG 3/8	4
0519.09	REMOTE CONTROL FLANGE G1/2	1	1604.G1	RIGHT HEAD	2
0602.05	GASKET	1	1604.G2	LEFT HEAD	2
0604.50	BARB NUT G1-1/2"	1	1804.43	HEX BOLT M6X35	14
0605.09	GASKET D17	4	1804.54	HEX BOLT M8X35	8
0605.49	GASKET D13	1	1804.72	HEX BOLT M8X50	8
0608.16	AIR VALVE ASSEMBLY	1	1804.A1	HEX BOLT M10X70	16
0903.13	PISTON DIAPHRAGM D100 BUNA-N	4	1805.05	ALLEN BOLT M10X30	4
0903.16	ACCUMULATOR DIAPHRAGM ◆▼	1	1805.71	ALLEN BOLT M6X50	2
0903.20	PISTON DIAPHRAGM D100 GREENTECH ◆▼	4	1805.53	ALLEN BOLT M6X22	2
1101.10	O-RING - DISCHARGE PORT ▼	1	6015.58	ROD ASSEMBLY "DELTA 75" D60	4
1101.25	O-RING - PRESSURE ACCUMULATOR	1	6017.E3	HEAD ASSEMBLY - LEFT	2
1101.29	O-RING - OIL RESERVOIR	1	6017.E4	HEAD ASSEMBLY - RIGHT	2
1101.31	O-RING - VALVE ■▼	8	6031.30	PRESSURE ACCUMULATOR	1
1101.42	O-RING - INLET HOSE BARB▼	1	6033.13	OIL RESERVOIR ASSEMBLY	1
1101.48	O-RING - CRANKCASE FLANGE	2	6063.04	VALVE ASSEMBLY W/O O-RING ■▼	8
1101.63	O-RING - CRANKCASE FLANGE	1	6062.12	DIAPHRAGM BOLT / WASHER (KIT 511)	1
1101.76	O-RING - PLUG	2	6062.E5	IN/OUTLET VALVE KIT "DELTA 100"(KIT 647)	1
1101.95	O-RING - VALVE COVER▼	8	8700.80	DIAPHRAGM KIT - GREENTECH (KIT 632)	1
1101.98	O-RING - OIL RESERVOIR	1	8700.80CK	COMPLETE REPAIR KIT	1
1101.B6	O-RING - OIL RESERVOIR	1			
1101.B8	O-RING - HEAD◆▼	8			
1101.C1	O-RING - CRANKCASE FLANGE	1			
1101.M4	O-RING - CRANKCASE FLANGE	1			

- Parts in 6062.12 (Kit 511)
- Parts in 6062.E5 (Kit 647).
- ◆ Parts in 8700.80 (Kit 632)
- ▼ Parts in 8700.80 (Complete Repair Kit)

Maximum Flow	26.0 GPM / 104 LPM
Maximum Pressure	560 PSI / 40 BAR
Maximum RPM	550 RPM
Inlet Port - Hose Barb	1-1/2" HB
Outlet Ports - Hose Barb, Valve	(2) 1/2" HB
Bypass - Hose Barb	3/4" HB
Dimensions	13.5"L x 17.0"W x 13.0"H
Weight	51 lbs

Lubrication: Requires 40 oz. of Udor Lube 40W Premium Pump Oil.
Alternate Oil: 30W non-detergent or 15W-40 non-detergent oil.



8700.80CK	
CODE	QTY
010204	4
030143	4
090316	4
090320	4
110104	1
110110	1
110131	8
110142	1
110195	8
110188	8
606304	8

606212	
KIT 511	
CODE	QTY
010204	4
030143	4

6062E5	
KIT 647	
CODE	QTY
110131	8
606304	8

870080	
KIT 632	
CODE	QTY
090316	1
090320	4
110188	8

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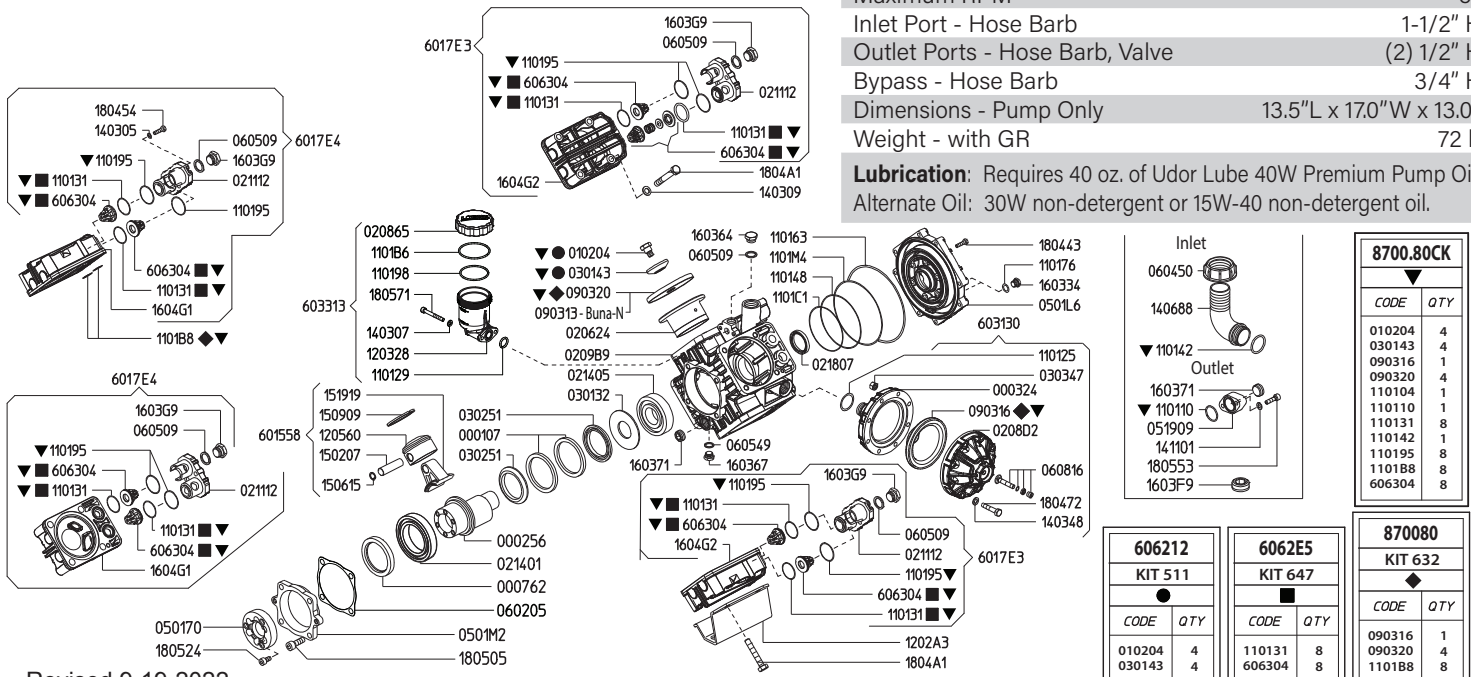
Part #	Description	Qty	Part #	Description	Qty
0001.07	RETAINER RING	2	1205.60	ALUMINIUM PISTON D60	4
0002.55	SHAFT "DELTA-100" 7C	1	1403.05	WASHER M8	8
0003.24	PRESSURE ACCUMULATOR BASE	1	1403.07	WASHER M6	2
0007.49	OIL SEAL D35	1	1403.09	WASHER M10	16
0102.04	DIAPHRAGM BOLT ●▼	4	1403.48	WASHER M8	8
0206.24	SLEEVE D60	4	1406.88	HOSE BARB D38	1
0208.65	OIL RESERVOIR COVER	1	1411.01	SERATED WASHER M6	2
0208.D2	PRESSURE ACCUMULATOR COVER	1	1502.07	PIN D15X54	4
0209.B9	CRANKCASE "DELTA 100"	1	1506.15	SNAP RING D15	4
0211.12	COVER	4	1509.09	PISTON RING D60	4
0214.01	BALL BEARING D60	1	1519.19	CONNECTING ROD	4
0214.05	BALL BEARING D35	1	1603.34	PLUG G1/4	2
0218.07	CAP D47X7	1	1603.64	PLUG G3/8	1
0301.32	BEARING DISC	2	1603.67	PLUG G1/4	1
0301.43	DIAPHRAGM DISC ●▼	4	1603.71	PLUG G1/2	2
0302.51	ROD SPACER	2	1603.F9	PLUG G3/4	1
0303.47	HEX NUT M8X8	8	1603.G9	HEAD PLUG 3/8	4
0501.L6	CRANKCASE FLANGE "DELTA 100"	1	1604.G1	RIGHT HEAD	2
0501.M2	BUSHING FLANGE	1	1604.G2	LEFT HEAD	2
0519.09	REMOTE CONTROL FLANGE G1/2	1	1804.43	HEX BOLT M6X35	14
0602.05	GASKET	1	1804.54	HEX BOLT M8X35	8
0604.50	BARB NUT G1-1/2"	1	1804.72	HEX BOLT M8X50	6
0605.09	GASKET D17	4	1804.A1	HEX BOLT M10X70	16
0605.49	GASKET D13	1	1805.04	ALLEN BOLT M10X20	6
0608.16	AIR VALVE ASSEMBLY	1	1805.05	ALLEN BOLT M10X30	4
0903.13	PISTON DIAPHRAGM D100 BUNA-N	4	1805.24	ALLEN BOLT M8X16	6
0903.16	ACCUMULATOR DIAPHRAGM ◆▼	1	1805.71	ALLEN BOLT M6X50	2
0903.20	PISTON DIAPHRAGM D100 GREENTECH ◆▼	4	1805.53	ALLEN BOLT M6X22	2
1101.10	O-RING - DISCHARGE PORT ▼	1	6015.58	ROD ASSEMBLY "DELTA 75" D60	4
1101.25	O-RING - PRESSURE ACCUMULATOR	1	6017.E3	HEAD ASSEMBLY - LEFT	2
1101.29	O-RING - OIL RESERVOIR	1	6017.E4	HEAD ASSEMBLY - RIGHT	2
1101.31	O-RING - VALVE ■▼	8	6031.30	PRESSURE ACCUMULATOR	1
1101.42	O-RING - INLET HOSE BARB▼	1	6033.13	OIL RESERVOIR ASSEMBLY	1
1101.48	O-RING - CRANKCASE FLANGE	2	6063.04	VALVE ASSEMBLY W/O O-RING ■▼	8
1101.63	O-RING - CRANKCASE FLANGE	1	6062.12	DIAPHRAGM BOLT / WASHER (KIT 511)	1
1101.76	O-RING - PLUG	2	6062.E5	IN/OUTLET VALVE KIT "DELTA 100"(KIT 647)	1
1101.95	O-RING - VALVE COVER▼	8	7751.A3	SHAFTER ADAPTER - 1" SOLID	1
1101.98	O-RING - OIL RESERVOIR	1	8700.80	DIAPH KIT "DELTA 100" DESM (KIT 632)	1
1101.B6	O-RING - OIL RESERVOIR	1	8700.80CK	COMPLETE REPAIR KIT	1
1101.B8	O-RING - HEAD◆▼	8			
1101.C1	O-RING - CRANKCASE FLANGE	1			
1101.M4	O-RING - CRANKCASE FLANGE	1			
1202.A3	BASE PLATE "DELTA 100"	2			
1203.28	OIL RESERVOIR	1			

- Parts in 6062.12 (Kit 511)
- Parts in 6062.E5 (Kit 647).
- ◆ Parts in 8700.24 (Kit 632)
- ▼ Parts in 8700.80CK (Complete Repair Kit)

DELTA 100 VAGR1

Maximum Flow	26.0 GPM / 104 LPM
Maximum Pressure	560 PSI / 40 BAR
Maximum RPM	540
Inlet Port - Hose Barb	1-1/2" HB
Outlet Ports - Hose Barb, Valve	(2) 1/2" HB
Bypass - Hose Barb	3/4" HB
Dimensions - Pump Only	13.5"L x 17.0"W x 13.0"H
Weight - with GR	72 lbs

Lubrication: Requires 40 oz. of Udor Lube 40W Premium Pump Oil.
Alternate Oil: 30W non-detergent or 15W-40 non-detergent oil.



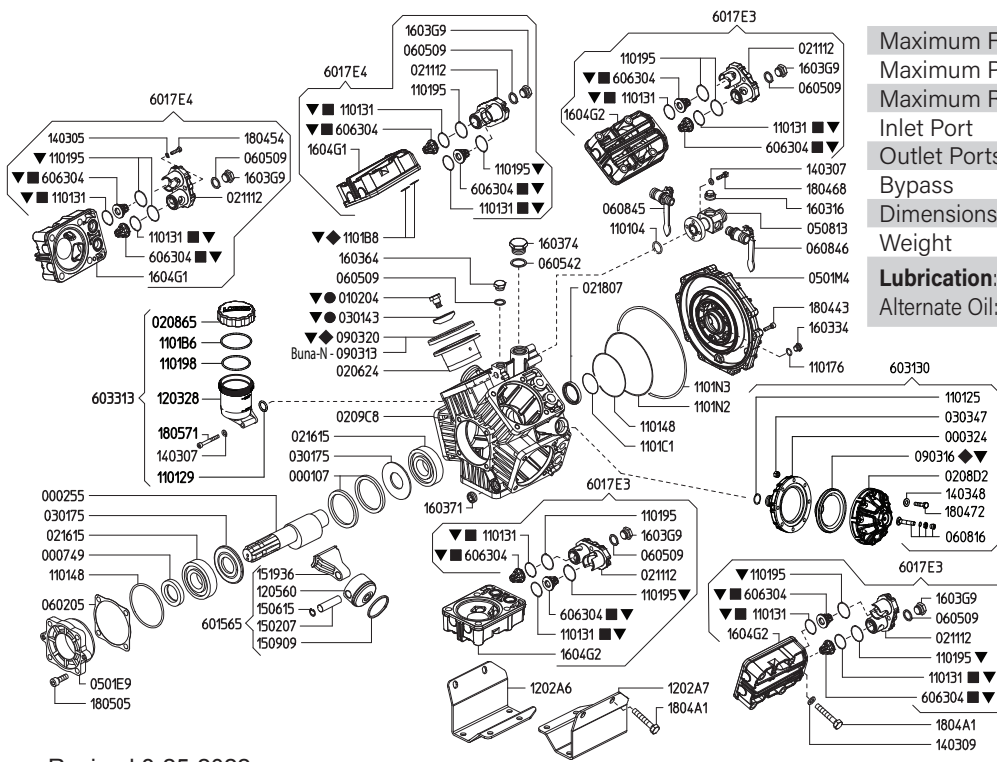
Revised 9-19-2022

8700.80CK	
CODE	QTY
010204	4
030143	4
090316	1
090320	4
110104	1
110110	1
110131	8
110142	1
110195	8
110188	8
606304	8

8700.80	
CODE	QTY
090316	1
110131	4
110188	8

6062.12		6062.E5	
KIT 511		KIT 647	
CODE	QTY	CODE	QTY
010204	4	110131	8
030143	4	606304	8

Part #	Description	Qty	Part #	Description	Qty
0001.07	RETAINER RING	2	1202.A3	BASE PLATE "DELTA 100"	2
0002.55	SHAFT "DELTA-100" 7C	1	1203.28	OIL RESERVOIR	1
0003.24	PRESSURE ACCUMULATOR BASE	1	1205.60	ALUMINIUM PISTON D60	4
0007.49	OIL SEAL D35	1	1403.05	WASHER M8	8
0102.04	DIAPHRAGM BOLT ●▼	4	1403.07	WASHER M6	2
0206.24	SLEEVE D60	4	1403.09	WASHER M10	16
0208.65	OIL RESERVOIR COVER	1	1403.48	WASHER M8	8
0208.D2	PRESSURE ACCUMULATOR COVER	1	1406.88	HOSE BARB D38	1
0209.B9	CRANKCASE "DELTA 100"	1	1411.01	SERATED WASHER M6	2
0211.12	COVER	4	1502.07	PIN D15X54	4
0214.01	BALL BEARING D60	1	1506.15	SNAP RING D15	4
0214.05	BALL BEARING D35	1	1509.09	PISTON RING D60	4
0218.07	CAP D47X7	1	1519.19	CONNECTING ROD	4
0301.32	BEARING DISC	2	1603.34	PLUG G1/4	2
0301.43	DIAPHRAGM DISC ●▼	4	1603.64	PLUG G3/8	1
0302.51	ROD SPACER	2	1603.67	PLUG G1/4	1
0303.47	HEX NUT M8X8	8	1603.71	PLUG G1/2	2
0501.L6	CRANKCASE FLANGE "DELTA 100"	1	1603.F9	PLUG G3/4	1
0501.M2	BUSHING FLANGE	1	1603.G9	HEAD PLUG 3/8	4
0519.09	REMOTE CONTROL FLANGE G1/2	1	1604.G1	RIGHT HEAD	2
0602.05	GASKET	1	1604.G2	LEFT HEAD	2
0604.50	BARB NUT G1-1/2"	1	1804.43	HEX BOLT M6X35	14
0605.09	GASKET D17	4	1804.54	HEX BOLT M8X35	8
0605.49	GASKET D13	1	1804.72	HEX BOLT M8X50	8
0608.16	AIR VALVE ASSEMBLY	1	1804.A1	HEX BOLT M10X70	16
0903.13	PISTON DIAPHRAGM D100 BUNA-N	4	1805.05	ALLEN BOLT M10X30	4
0903.16	ACCUMULATOR DIAPHRAGM ◆▼	1	1805.71	ALLEN BOLT M6X50	2
0903.20	PISTON DIAPHRAGM D100 GREENTECH ◆▼	4	1805.53	ALLEN BOLT M6X22	2
1101.10	O-RING - DISCHARGE PORT ▼	1	6015.58	ROD ASSEMBLY "DELTA 75" D60	4
1101.25	O-RING - PRESSURE ACCUMULATOR	1	6017.E3	HEAD ASSEMBLY - LEFT	2
1101.29	O-RING - OIL RESERVOIR	1	6017.E4	HEAD ASSEMBLY - RIGHT	2
1101.31	O-RING - VALVE ■▼	8	6031.30	PRESSURE ACCUMULATOR	1
1101.42	O-RING - INLET HOSE BARB ▼	1	6033.13	OIL RESERVOIR ASSEMBLY	1
1101.48	O-RING - CRANKCASE FLANGE	2	6063.04	VALVE ASSEMBLY W/O O-RING ■▼	8
1101.63	O-RING - CRANKCASE FLANGE	1	6062.12	DIAPHRAGM BOLT / WASHER (KIT 511)	1
1101.76	O-RING - PLUG	2	6062.E5	IN/OUTLET VALVE KIT "DELTA 100"(KIT 647)	1
1101.95	O-RING - VALVE COVER ▼	8	8700.80	DIAPHRAGM KIT - GREENTECH (KIT 632)	1
1101.98	O-RING - OIL RESERVOIR	1	8700.80CK	COMPLETE REPAIR KIT	1
1101.B6	O-RING - OIL RESERVOIR	1	●	Parts in 6062.12 (Kit 511)	
1101.B8	O-RING - HEAD ◆▼	8	■	Parts in 6062.E5 (Kit 647).	
1101.C1	O-RING - CRANKCASE FLANGE	1	◆	Parts in 8700.80 (Kit 632)	
1101.M4	O-RING - CRANKCASE FLANGE	1	▼	Parts in 8700.80 (Complete Repair Kit)	



Maximum Flow	34.0 GPM / 126 lpm
Maximum Pressure	560 PSI / 40 bar
Maximum RPM	550 RPM
Inlet Port	1-1/2" Hose Barb
Outlet Ports	(2) 1/2" Hose Barb Valve, 3/4" MPT
Bypass	1" Hose Barb
Dimensions	14.0"L x 18.0"W x 16.0"H
Weight	46 lbs

Lubrication: Requires 40 oz. of Udor Lube 40W Premium Pump Oil.
Alternate Oil: 30W non-detergent or 15W-40 non-detergent oil.

8700.82CK	
CODE	QTY
010204	5
030143	5
090316	1
090320	5
110104	1
110110	1
110131	10
110142	1
110195	10
110188	10
606304	10

6062F7
KIT 658

CODE	QTY
090316	1
090320	5
110188	10

6062F8
KIT 659

CODE	QTY
110131	10
606304	10

606287
KIT 587

CODE	QTY
010204	5
030143	5

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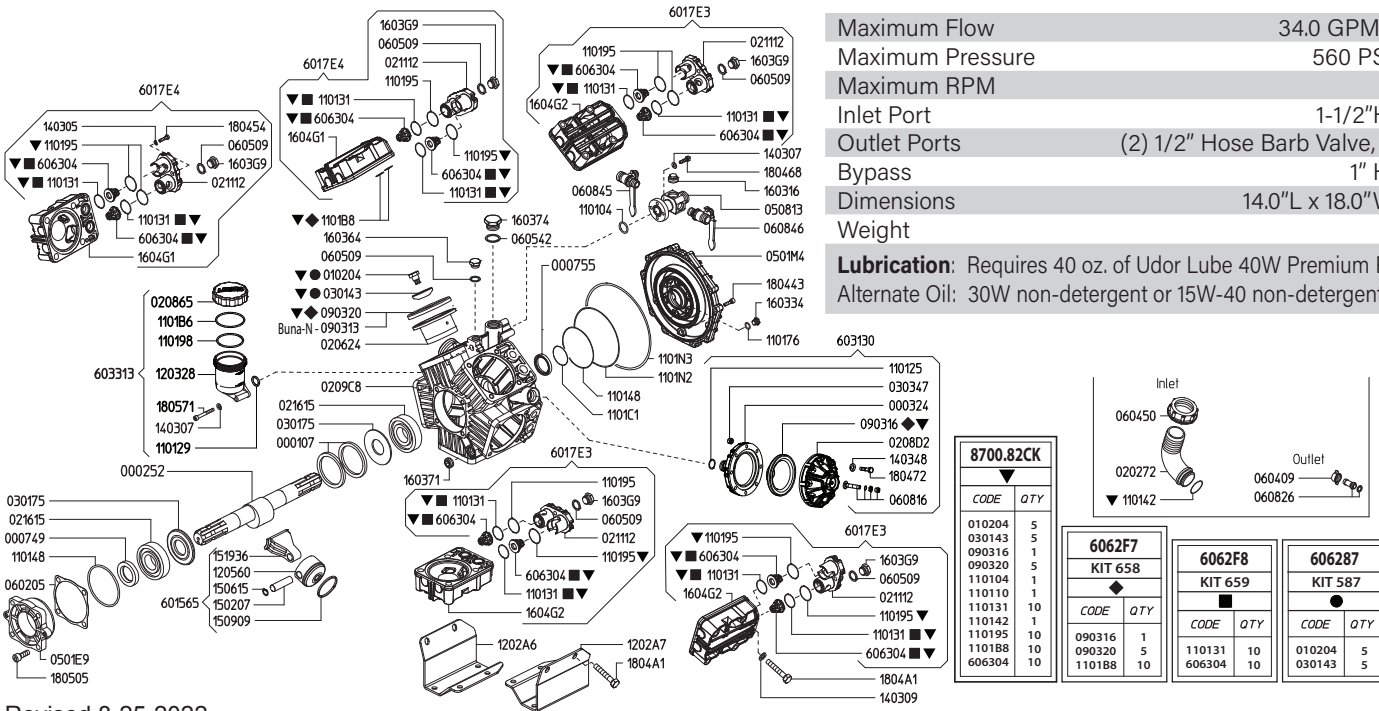
Part #	Description	Qty	Part #	Description	Qty
0001.07	RETAINER RING	2	1101.N2	O-RING - CRANKCASE FLANGE	1
0002.55	SHAFT - 1C	1	1101.N3	O-RING - CRANKCASE FLANGE	1
0003.24	PRESSURE ACCUMULATOR BODY	1	1202.A6	LEFT BASE PLATE	1
0007.49	OIL SEAL D35	1	1202.A7	RIGHT BASE PLATE	1
0102.04	DIAPHRAGM BOLT ●▼	5	1203.28	OIL RESERVOIR	1
0202.72	HOSE BARB D40	1	1205.60	ALUMINIUM PISTON D60	5
0206.24	SLEEVE D60	5	1403.05	WASHER M8	10
0208.65	OIL RESERVOIR COVER	1	1403.07	WASHER M6	6
0208.D2	PRESSURE ACCUMULATOR COVER	1	1403.09	WASHER M10	16
0209.C8	CRANKCASE	1	1403.48	WASHER M8	8
0211.12	VALVE COVER	5	1502.07	PIN D15X54	5
0216.15	ROLLER BEARING D35	2	1506.15	SNAP RING D15	5
0218.07	CAP D47X7	1	1509.09	PISTON RING D60	5
0301.43	DIAPHRAGM DISC ●▼	5	1519.36	CONNECTING ROD	5
0301.75	BEARING DISC	2	1603.16	PLUG G1/2	1
0303.47	HEX NUT M8X8	8	1603.34	PLUG G1/4	1
0501.E9	BUSHING FLANGE	1	1603.64	PLUG G3/8	1
0501.M4	CRANKCASE FLANGE	1	1603.71	PLUG G1/2	1
0508.13	FLANGE G3/4 M - G3/8 F	1	1603.G9	HEAD PLUG 3/8	5
0602.05	GASKET	1	1604.G1	RIGHT HEAD	2
0604.09	BRASS NUT G1/2	1	1604.G2	LEFT/BOTTOM HEAD	3
0604.50	BARB NUT G1-1/2"	1	1804.43	HEX BOLT M6X35	10
0605.09	GASKET D17	6	1804.54	HEX BOLT M8X35	10
0608.16	AIR VALVE ASSEMBLY	1	1804.68	HEX BOLT M6X22	4
0608.26	HOSE BARB D13+GASKET	1	1804.72	HEX BOLT M8X50	8
0608.45	BALL VALVE RIGHT	1	1804.A1	HEX BOLT M10X70	20
0608.46	BALL VALVE LEFT	1	1805.05	ALLEN BOLT M10X30	4
0903.13	PISTON DIAPHRAGM D100 BUNA-N	5	1805.71	ALLEN BOLT M6X50	2
0903.16	ACCUMULATOR DIAPHRAGM ■▼	1	6015.65	ROD ASSY D60	5
0903.20	PISTON DIAPHRAGM D100 GREENTECH ■▼	5	6017.E3	HEAD ASSEMBLY - LEFT/BOTTOM	3
1101.04	O-RING - DISCHARGE FLANGE	1	6017.E4	HEAD ASSEMBLY - RIGHT	2
1101.25	O-RING - PRESSURE ACCUMULATOR	1	6031.30	PRESSURE ACCUMULATOR ASSEMBLY	1
1101.29	O-RING - OIL RESERVOIR	1	6033.13	OIL RESERVOIR ASSEMBLY	1
1101.31	O-RING - VALVE ■▼	10	6063.04	VALVE ASSEMBLY W/O O-RING ◆▼	10
1101.42	O-RING - INLET HOSE BARB ▼	1	6062.87	DIAPHRAGM BOLT/WASHER KIT (KIT 587)	1
1101.48	O-RING - CRANKCASE FLANGE	1	6062.F7	DIAPHRAGM KIT - GREENTECH (KIT 658)	1
1101.76	O-RING - PLUG	1	6062.F8	IN/OUTLET VALVE KIT(KIT 659)	1
1101.95	O-RING - VALVE COVER ▼	10	8700.82CK	COMPLETE REPAIR KIT	1
1101.98	O-RING - OIL RESERVOIR	1			
1101.B6	O-RING - OIL RESERVOIR	1			
1101.B8	O-RING - HEAD ◆▼	10			
1101.C1	O-RING - CRANKCASE FLANGE	1			

- Parts in 6062.87 (Kit 587).
- Parts in 6062.F7 (Kit 658).
- ◆ Parts in 6062.F8 (Kit 659).
- ▼ Parts in 8700.82CK (Complete Repair Kit).

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Maximum Flow	34.0 GPM / 126 lpm
Maximum Pressure	560 PSI / 40 bar
Maximum RPM	550 RPM
Inlet Port	1-1/2" Hose Barb
Outlet Ports	(2) 1/2" Hose Barb Valve, 3/4" MPT
Bypass	1" Hose Barb
Dimensions	14.0"L x 18.0"W x 16.0"H
Weight	46 lbs

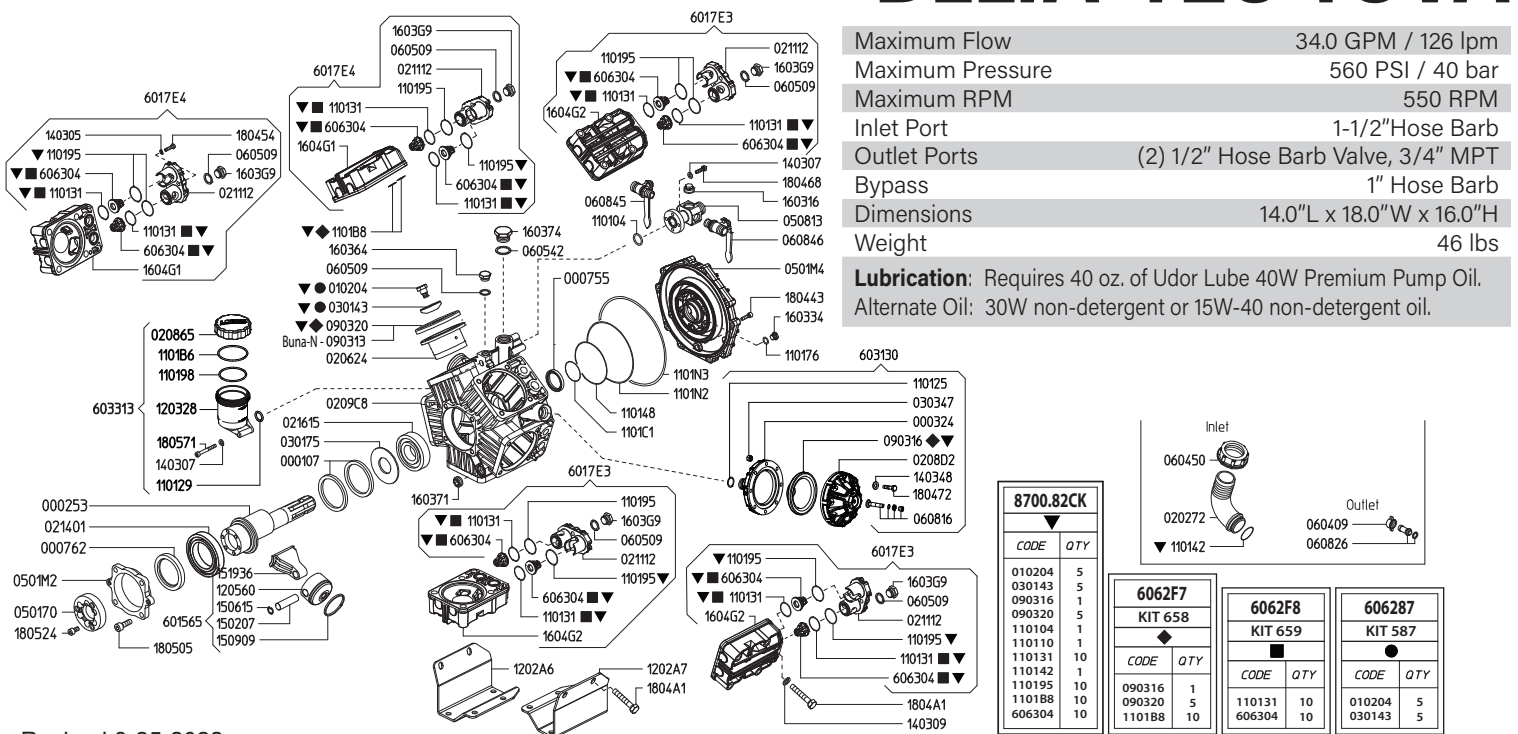
Lubrication: Requires 40 oz. of Udor Lube 40W Premium Pump Oil.
Alternate Oil: 30W non-detergent or 15W-40 non-detergent oil.



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Part #	Description	Qty	Part #	Description	Qty
0001.07	RETAINER RING	2	1101.N2	O-RING - CRANKCASE FLANGE	1
0002.52	SHAFT - TS 2C	1	1101.N3	O-RING - CRANKCASE FLANGE	1
0003.24	PRESSURE ACCUMULATOR BODY	1	1202.A6	LEFT BASE PLATE	1
0007.49	OIL SEAL D35	1	1202.A7	RIGHT BASE PLATE	1
0007.55	OIL SEAL D35	1	1203.28	OIL RESERVOIR	1
0102.04	DIAPHRAGM BOLT ◆	5	1205.60	ALUMINIUM PISTON D60	5
0202.72	HOSE BARB D40	1	1403.05	WASHER M8	10
0206.24	SLEEVE D60	5	1403.07	WASHER M6	6
0208.65	OIL RESERVOIR COVER	1	1403.09	WASHER M10	16
0208.D2	PRESSURE ACCUMULATOR COVER	1	1403.48	WASHER M8	8
0209.C8	CRANKCASE	1	1502.07	PIN D15X54	5
0211.12	VALVE COVER	5	1506.15	SNAP RING D15	5
0216.15	ROLLER BEARING D35	2	1509.09	PISTON RING D60	5
0301.43	DIAPHRAGM DISC ◆	5	1519.36	CONNECTING ROD	5
0301.75	BEARING DISC	2	1603.16	PLUG G1/2	1
0303.47	HEX NUT M8X8	8	1603.34	PLUG G1/4	1
0501.E9	BUSHING FLANGE	1	1603.64	PLUG G3/8	1
0501.M4	CRANKCASE FLANGE	1	1603.71	PLUG G1/2	1
0508.13	FLANGE G3/4 M - G3/8 F	1	1603.G9	HEAD PLUG 3/8	5
0602.05	GASKET	1	1604.G1	RIGHT HEAD	2
0604.09	BRASS NUT G1/2	1	1604.G2	LEFT/BOTTOM HEAD	3
0604.50	BARB NUT G1-1/2"	1	1804.43	HEX BOLT M6X35	10
0605.09	GASKET D17	6	1804.54	HEX BOLT M8X35	10
0608.16	AIR VALVE ASSEMBLY	1	1804.68	HEX BOLT M6X22	4
0608.26	HOSE BARB D13+GASKET	1	1804.72	HEX BOLT M8X50	8
0608.45	BALL VALVE RIGHT	1	1804.A1	HEX BOLT M10X70	20
0608.46	BALL VALVE LEFT	1	1805.05	ALLEN BOLT M10X30	4
0903.13	PISTON DIAPHRAGM D100 BUNA-N	5	1805.71	ALLEN BOLT M6X50	2
0903.16	ACCUMULATOR DIAPHRAGM ◆	1	6015.65	ROD ASSY D60	5
0903.20	PISTON DIAPHRAGM D100 GREENTECH ◆	5	6017.E3	HEAD ASSEMBLY - LEFT/BOTTOM	3
1101.04	O-RING - DISCHARGE FLANGE	1	6017.E4	HEAD ASSEMBLY - RIGHT	2
1101.25	O-RING - PRESSURE ACCUMULATOR	1	6031.30	PRESSURE ACCUMULATOR ASSEMBLY	1
1101.29	O-RING - OIL RESERVOIR	1	6033.13	OIL RESERVOIR ASSEMBLY	1
1101.31	O-RING - VALVE ◆	10	6063.04	VALVE ASSEMBLY W/O O-RING ◆	10
1101.42	O-RING - INLET HOSE BARB ◆	1	6062.87	DIAPHRAGM BOLT/WASHER KIT (KIT 587)	1
1101.48	O-RING - CRANKCASE FLANGE	1	6062.F7	DIAPHRAGM KIT - GREENTECH (KIT 658)	1
1101.76	O-RING - PLUG	1	6062.F8	IN/OUTLET VALVE KIT(KIT 659)	1
1101.95	O-RING - VALVE COVER ◆	10	8700.82CK	COMPLETE REPAIR KIT	1
1101.98	O-RING - OIL RESERVOIR	1			
1101.B6	O-RING - OIL RESERVOIR	1			
1101.B8	O-RING - HEAD ◆	10			
1101.C1	O-RING - CRANKCASE FLANGE	1			

- ◆ Parts in 6062.87 (Kit 587).
- Parts in 6062.F7 (Kit 658).
- ◆ Parts in 6062.F8 (Kit 659).
- ▼ Parts in 8700.82CK (Complete Repair Kit).



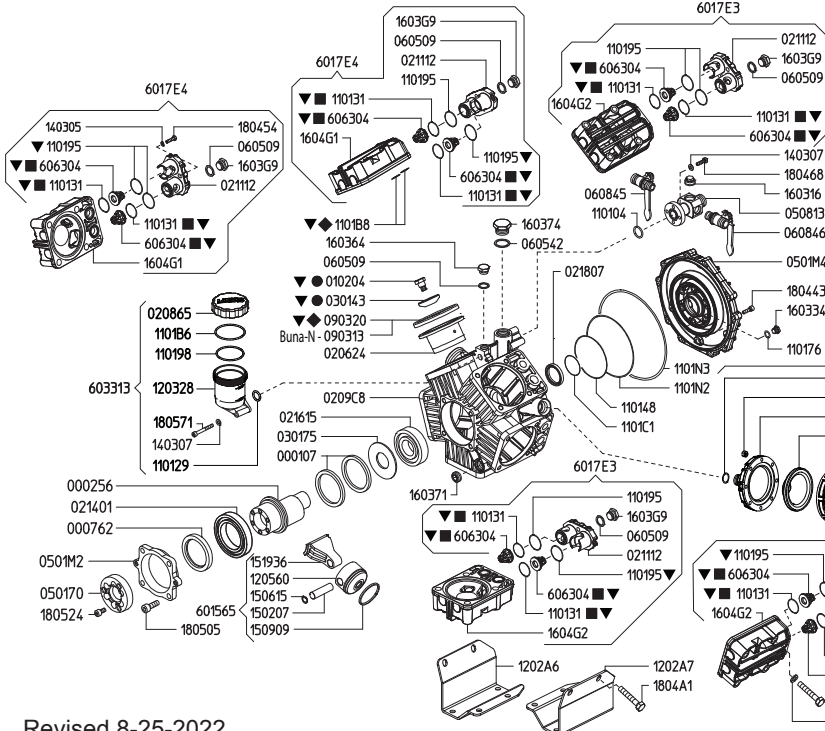
Maximum Flow 34.0 GPM / 126 lpm
Maximum Pressure 560 PSI / 40 bar
Maximum RPM 550 RPM
Inlet Port 1-1/2" Hose Barb
Outlet Ports (2) 1/2" Hose Barb Valve, 3/4" MPT
Bypass 1" Hose Barb
Dimensions 14.0"L x 18.0"W x 16.0"H
Weight 46 lbs
Lubrication: Requires 40 oz. of Udor Lube 40W Premium Pump Oil.
 Alternate Oil: 30W non-detergent or 15W-40 non-detergent oil.

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Part #	Description	Qty
0001.07	RETAINER RING	2
0002.53	SHAFT - TS VA	1
0003.24	PRESSURE ACCUMULATOR	1
0007.55	OIL SEAL D35	1
0007.62	OIL SEAL D60	1
0102.04	DIAPHRAGM BOLT ●▼	5
0202.72	HOSE BARB D40	1
0206.24	SLEEVE D60	5
0208.65	OIL RESERVOIR COVER	1
0208.D2	PRESSURE ACCUMULATOR COVER	1
0209.C8	CRANKCASE	1
0211.12	VALVE COVER	5
0214.01	BALL BEARING D60	1
0216.15	ROLLER BEARING D35	1
0301.43	DIAPHRAGM DISC ●▼	5
0301.75	BEARING DISC	1
0303.47	HEX NUT M8X8	8
0501.70	FLANGE "DELTA 75/100" VA	1
0501.M2	FLANGE "DELTA 75/100" VA	1
0501.M4	CRANKCASE FLANGE	1
0508.13	FLANGE G3/4 M - G3/8 F	1
0604.09	BRASS NUT G1/2	1
0604.50	BARB NUT G1-1/2"	1
0605.09	GASKET D17	6
0608.16	AIR VALVE ASSEMBLY	1
0608.26	HOSE BARB D13+GASKET	1
0608.45	BALL VALVE RIGHT	1
0608.46	BALL VALVE LEFT	1
0903.20	PISTON DIAPHRAGM D100 BUNA-N	5
0903.16	ACCUMULATOR DIAPHRAGM ■▼	1
0903.20	PISTON DIAPHRAGM D100 GREENTECH ■▼	5
1101.04	O-RING - DISCHARGE FLANGE	1
1101.25	O-RING - PRESSURE ACCUMULATOR	1
1101.29	O-RING - OIL RESERVOIR	1
1101.31	O-RING - VALVE ■▼	10
1101.42	O-RING - INLET HOSE BARB ▼	1
1101.48	O-RING - CRANKCASE FLANGE	1
1101.76	O-RING - PLUG	1
1101.95	O-RING - VALVE COVER ▼	10
1101.98	O-RING - OIL RESERVOIR	1
1101.B6	O-RING - OIL RESERVOIR	1
1101.B8	O-RING - HEAD ◆▼	10
1101.C1	O-RING - CRANKCASE FLANGE	1

Part #	Description	Qty
1101.N2	O-RING - CRANKCASE FLANGE	1
1101.N3	O-RING - CRANKCASE FLANGE	1
1202.A6	LEFT BASE PLATE	1
1202.A7	RIGHT BASE PLATE	1
1203.28	OIL RESERVOIR	1
1205.60	ALUMINIUM PISTON D60	5
1403.05	WASHER M8	10
1403.07	WASHER M6	6
1403.09	WASHER M10	16
1403.48	WASHER M8	8
1502.07	PIN D15X54	5
1506.15	SNAP RING D15	5
1509.09	PISTON RING D60	5
1519.36	CONNECTING ROD	5
1603.16	PLUG G1/2	1
1603.34	PLUG G1/4	1
1603.64	PLUG G3/8	1
1603.71	PLUG G1/2	1
1603.G9	HEAD PLUG 3/8	5
1604.G1	RIGHT HEAD	2
1604.G2	LEFT/BOTTOM HEAD	3
1804.43	HEX BOLT M6X35	10
1804.54	HEX BOLT M8X35	10
1804.68	HEX BOLT M6X22	4
1804.72	HEX BOLT M8X50	8
1804.A1	HEX BOLT M10X70	20
1805.05	ALLEN BOLT M10X30	4
1805.24	ALLEN BOLT M8X16	3
1805.71	ALLEN BOLT M6X50	2
6015.65	ROD ASSY D60	5
6017.E3	HEAD ASSEMBLY - LEFT/BOTTOM	3
6017.E4	HEAD ASSEMBLY - RIGHT	2
6031.30	PRESSURE ACCUMULATOR ASSEMBLY	1
6033.13	OIL RESERVOIR ASSEMBLY	1
6063.04	VALVE ASSEMBLY W/O O-RING ◆▼	10
6062.87	DIAPHRAGM BOLT/WASHER KIT (KIT 587)	1
6062.F7	DIAPHRAGM KIT - GREENTECH (KIT 658)	1
6062.F8	IN/OUTLET VALVE KIT(KIT 659)	1
8700.82CK	COMPLETE REPAIR KIT	1

- Parts in 6062.87 (Kit 587).
- Parts in 6062.F7 (Kit 658).
- ◆ Parts in 6062.F8 (Kit 659).
- ▼ Parts in 8700.82CK (Complete Repair Kit).



Maximum Flow	34.0 GPM / 126 lpm
Maximum Pressure	560 PSI / 40 bar
Maximum RPM	550 RPM
Inlet Port	1-1/2" Hose Barb
Outlet Ports	(2) 1/2" Hose Barb Valve, 3/4" MPT
Bypass	1" Hose Barb
Dimensions	14.0"L x 18.0"W x 16.0"H
Weight	46 lbs
Lubrication:	Requires 40 oz. of Udor Lube 40W Premium Pump Oil. Alternate Oil: 30W non-detergent or 15W-40 non-detergent oil.

8700.82CK

CODE	QTY
010204	5
030143	5
090316	1
090320	5
110104	1
110110	1
110131	10
110142	1
110195	10
110188	10
606304	10

6062F7
KIT 658

CODE	QTY
090316	1
090320	5
110188	10

6062F8
KIT 659

CODE	QTY
110131	10
606304	10

606287
KIT 587

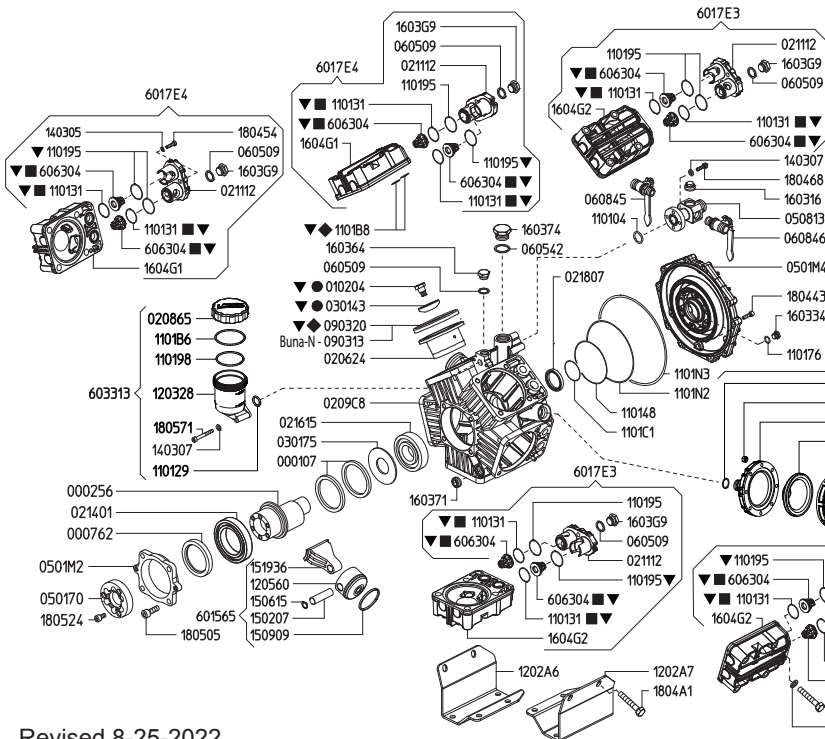
CODE	QTY
010204	5
030143	5

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Part #	Description	Qty
0001.07	RETAINER RING	2
0002.56	SHAFT "DELTA-100" VA	1
0003.24	PRESSURE ACCUMULATOR	1
0007.62	OIL SEAL D60	1
0102.04	DIAPHRAGM BOLT ●▼	5
0202.72	HOSE BARB D40	1
0206.24	SLEEVE D60	5
0208.65	OIL RESERVOIR COVER	1
0208.D2	PRESSURE ACCUMULATOR COVER	1
0209.C8	CRANKCASE	1
0211.12	VALVE COVER	5
0214.01	BALL BEARING D60	1
0216.15	ROLLER BEARING D35	1
0218.07	CAP D47X7	1
0301.43	DIAPHRAGM DISC ●▼	5
0301.75	BEARING DISC	1
0303.47	HEX NUT M8X8	8
0501.70	FLANGE "DELTA 75/100" VA	1
0501.M2	FLANGE "DELTA 75/100" VA	1
0501.M4	CRANKCASE FLANGE	1
0508.13	FLANGE G3/4 M - G3/8 F	1
0604.09	BRASS NUT G1/2	2
0604.50	BARB NUT G1-1/2"	1
0605.09	GASKET D17	6
0608.16	AIR VALVE ASSEMBLY	1
0608.26	HOSE BARB D13+GASKET	2
0608.45	BALL VALVE RIGHT	1
0608.46	BALL VALVE LEFT	1
0903.20	PISTON DIAPHRAGM D100 BUNA-N	5
0903.16	PRESSURE ACCUMULATOR DIAPHRAGM ■▼	1
0903.20	PISTON DIAPHRAGM D100 GREENTECH ■▼	5
1101.04	O-RING - DISCHARGE FLANGE	1
1101.25	O-RING - PRESSURE ACCUMULATOR	1
1101.29	O-RING - OIL RESERVOIR	1
1101.31	O-RING - VALVE ■▼	10
1101.42	O-RING - INLET HOSE BARB ▼	1
1101.48	O-RING - CRANKCASE FLANGE	1
1101.76	O-RING - PLUG	1
1101.95	O-RING - VALVE COVER ▼	10
1101.98	O-RING - OIL RESERVOIR	1
1101.B6	O-RING - OIL RESERVOIR	1
1101.B8	O-RING - HEAD ◆▼	10
1101.C1	O-RING - CRANKCASE FLANGE	1

Part #	Description	Qty
1101.N2	O-RING - CRANKCASE FLANGE	1
1101.N3	O-RING - CRANKCASE FLANGE	1
1202.A6	LEFT BASE PLATE	1
1202.A7	RIGHT BASE PLATE	1
1203.28	OIL RESERVOIR	1
1205.60	ALUMINIUM PISTON D60	5
1403.05	WASHER M8	10
1403.07	WASHER M6	6
1403.09	WASHER M10	16
1403.48	WASHER M8	8
1502.07	PIN D15X54	5
1506.15	SNAP RING D15	5
1509.09	PISTON RING D60	5
1519.36	CONNECTING ROD	5
1603.16	PLUG G1/2	1
1603.34	PLUG G1/4	1
1603.64	PLUG G3/8	1
1603.71	PLUG G1/2	1
1603.G9	HEAD PLUG 3/8	5
1604.G1	RIGHT HEAD	2
1604.G2	LEFT/BOTTOM HEAD	3
1804.43	HEX BOLT M6X35	10
1804.54	HEX BOLT M8X35	10
1804.68	HEX BOLT M6X22	4
1804.72	HEX BOLT M8X50	8
1804.A1	HEX BOLT M10X70	20
1805.05	ALLEN BOLT M10X30	4
1805.24	ALLEN BOLT M8X16	3
1805.71	ALLEN BOLT M6X50	2
6015.65	ROD ASSY D60	5
6017.E3	HEAD ASSEMBLY - LEFT/BOTTOM	3
6017.E4	HEAD ASSEMBLY - RIGHT	2
6031.30	PRESSURE ACCUMULATOR ASSEMBLY	1
6033.13	OIL RESERVOIR ASSEMBLY	1
6063.04	VALVE ASSEMBLY W/O O-RING ◆▼	10
6062.87	DIAPHRAGM BOLT/WASHER KIT (KIT 587)	1
6062.F7	DIAPHRAGM KIT - GREENTECH (KIT 658)	1
6062.F8	IN/OUTLET VALVE KIT(KIT 659)	1
8700.82CK	COMPLETE REPAIR KIT	1

- Parts in 6062.87 (Kit 587).
- Parts in 6062.F7 (Kit 658).
- ◆ Parts in 6062.F8 (Kit 659).
- ▼ Parts in 8700.82CK (Complete Repair Kit).



Maximum Flow	34.0 GPM / 126 lpm
Maximum Pressure	560 PSI / 40 bar
Maximum RPM	550 RPM
Inlet Port	1-1/2" Hose Barb
Outlet Ports	(2) 1/2" Hose Barb Valve, 3/4" MPT
Bypass	1" Hose Barb
Dimensions	14.0"L x 18.0"W x 16.0"H
Weight	46 lbs
Lubrication: Requires 40 oz. of Udor Lube 40W Premium Pump Oil. Alternate Oil: 30W non-detergent or 15W-40 non-detergent oil.	

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Part #	Description	Qty
0001.07	RETAINER RING	2
0002.56	SHAFT "DELTA-100" VA	1
0003.24	PRESSURE ACCUMULATOR	1
0007.62	OIL SEAL D60	1
0102.04	DIAPHRAGM BOLT ●▼	5
0202.72	HOSE BARB D40	1
0206.24	SLEEVE D60	5
0208.65	OIL RESERVOIR COVER	1
0208.D2	PRESSURE ACCUMULATOR COVER	1
0209.C8	CRANKCASE	1
0211.12	VALVE COVER	5
0214.01	BALL BEARING D60	1
0216.15	ROLLER BEARING D35	1
0218.07	CAP D47X7	1
0301.43	DIAPHRAGM DISC ●▼	5
0301.75	BEARING DISC	1
0303.47	HEX NUT M8X8	8
0501.70	FLANGE "DELTA 75/100" VA	1
0501.M2	FLANGE "DELTA 75/100" VA	1
0501.M4	CRANKCASE FLANGE	1
0508.13	FLANGE G3/4 M - G3/8 F	1
0604.09	BRASS NUT G1/2	2
0604.50	BARB NUT G1-1/2"	1
0605.09	GASKET D17	6
0608.16	AIR VALVE ASSEMBLY	1
0608.26	HOSE BARB D13+GASKET	2
0608.45	BALL VALVE RIGHT	1
0608.46	BALL VALVE LEFT	1
0903.20	PISTON DIAPHRAGM D100 BUNA-N	5
0903.16	PRESSURE ACCUMULATOR DIAPHRAGM ■▼	1
0903.20	PISTON DIAPHRAGM D100 GREENTECH ■▼	5
1101.04	O-RING - DISCHARGE FLANGE	1
1101.25	O-RING - PRESSURE ACCUMULATOR	1
1101.29	O-RING - OIL RESERVOIR	1
1101.31	O-RING - VALVE ■▼	10
1101.42	O-RING - INLET HOSE BARB ▼	1
1101.48	O-RING - CRANKCASE FLANGE	1
1101.76	O-RING - PLUG	1
1101.95	O-RING - VALVE COVER ▼	10
1101.98	O-RING - OIL RESERVOIR	1
1101.B6	O-RING - OIL RESERVOIR	1
1101.B8	O-RING - HEAD ◆▼	10
1101.C1	O-RING - CRANKCASE FLANGE	1

Part #	Description	Qty
1101.N2	O-RING - CRANKCASE FLANGE	1
1101.N3	O-RING - CRANKCASE FLANGE	1
1202.A6	LEFT BASE PLATE	1
1202.A7	RIGHT BASE PLATE	1
1203.28	OIL RESERVOIR	1
1205.60	ALUMINIUM PISTON D60	5
1403.05	WASHER M8	10
1403.07	WASHER M6	6
1403.09	WASHER M10	16
1403.48	WASHER M8	8
1502.07	PIN D15X54	5
1506.15	SNAP RING D15	5
1509.09	PISTON RING D60	5
1519.36	CONNECTING ROD	5
1603.16	PLUG G1/2	1
1603.34	PLUG G1/4	1
1603.64	PLUG G3/8	1
1603.71	PLUG G1/2	1
1603.G9	HEAD PLUG 3/8	5
1604.G1	RIGHT HEAD	2
1604.G2	LEFT/BOTTOM HEAD	3
1804.43	HEX BOLT M6X35	10
1804.54	HEX BOLT M8X35	10
1804.68	HEX BOLT M6X22	4
1804.72	HEX BOLT M8X50	8
1804.A1	HEX BOLT M10X70	20
1805.05	ALLEN BOLT M10X30	4
1805.24	ALLEN BOLT M8X16	3
1805.71	ALLEN BOLT M6X50	2
6015.65	ROD ASSY D60	5
6017.E3	HEAD ASSEMBLY - LEFT/BOTTOM	3
6017.E4	HEAD ASSEMBLY - RIGHT	2
6031.30	PRESSURE ACCUMULATOR ASSEMBLY	1
6033.13	OIL RESERVOIR ASSEMBLY	1
6063.04	VALVE ASSEMBLY W/O O-RING ◆▼	10
6062.87	DIAPHRAGM BOLT/WASHER KIT (KIT 587)	1
6062.F7	DIAPHRAGM KIT - GREENTECH (KIT 658)	1
6062.F8	IN/OUTLET VALVE KIT(KIT 659)	1
8700.82CK	COMPLETE REPAIR KIT	1

- Parts in 6062.87 (Kit 587).
- Parts in 6062.F7 (Kit 658).
- ◆ Parts in 6062.F8 (Kit 659).
- ▼ Parts in 8700.82CK (Complete Repair Kit).

8700.82CK	
CODE	QTY
010204	5
030143	5
090316	1
090320	5
110104	1
110110	1
110131	10
110142	1
110195	10
110188	10
606304	10

6062F7	
KIT 658	
CODE	QTY
090316	1
090320	5
110188	10

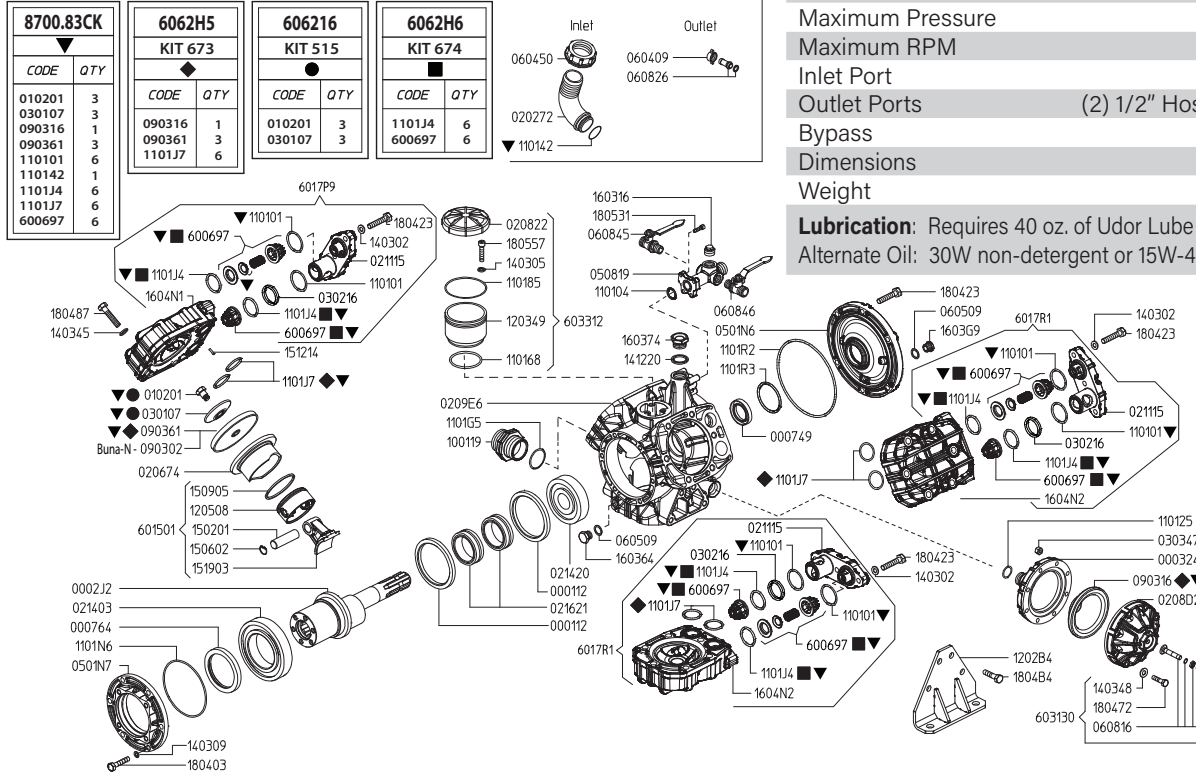
6062F8	
KIT 659	
CODE	QTY
110131	10
606304	10

606287	
KIT 587	
CODE	QTY
010204	5
030143	5

85

Maximum Flow	36.4 GPM / 138 lpm
Maximum Pressure	725 PSI / 49 bar
Maximum RPM	550 RPM
Inlet Port	1-1/2" Hose Barb
Outlet Ports	(2) 1/2" Hose Barb Valve, 3/4" MPT
Bypass	1" Hose Barb
Dimensions	19.0"L x 15.5"W x 14.5"H
Weight	115 lbs

Lubrication: Requires 40 oz. of Udor Lube 40W Premium Pump Oil.
Alternate Oil: 30W non-detergent or 15W-40 non-detergent oil.

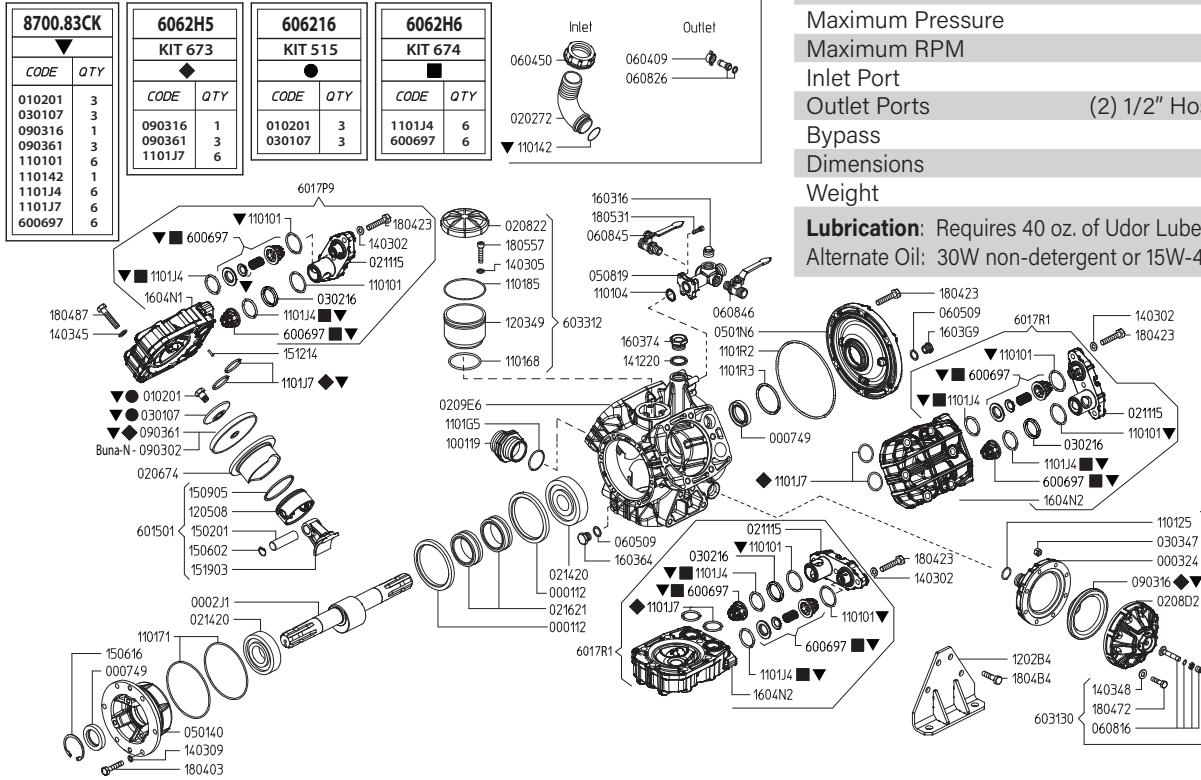


Revised 6-7-2022

Part #	Description	Qty	Part #	Description	Qty
0001.12	RETAINER RING "DELTA 140"	2	1101.R2	O-RING - CRANKCASE FLANGE	1
0002.J2	SHAFT "DELTA 140" TS MFVA	1	1101.R3	O-RING - CRANKCASE FLANGE	1
0003.24	PRESSURE ACCUMULATOR	1	1202.B4	BASE PLATE "DELTA 140"	2
0007.49	OIL SEAL D35	1	1203.49	OIL RESERVOIR	1
0007.64	OIL SEAL D75	1	1205.08	ALUMINIUM PISTON D75	3
0102.01	DIAPHRAGM BOLT	3	1403.02	WASHER D10.5	9
0202.72	HOSE BARB D40	1	1403.05	WASHER D8.4	3
0206.74	SLEEVE "DELTA 140"	3	1403.09	WASHER D10.5	6
0208.22	OIL RESERVOIR COVER	1	1403.45	WASHER D13	18
0208.D2	ACCUMULATOR COVER	1	1403.48	WASHER D8.4 DACROMET	8
0209.E6	PUMP BODY "DELTA 140"	1	1412.20	WASHER	1
0211.13	VALVE COVER "DELTA 140"	3	1502.01	PIN D18X64	3
0214.03	BALL BEARING D75	1	1506.02	SNAP RING D18	3
0214.20	BALL BEARING D35	1	1509.05	PISTON RING D75	3
0216.21	ROLLER BEARING D35	2	1512.14	PIN	3
0301.07	DIAPHRAGM DISC	3	1519.03	CONNECTING ROD	3
0302.16	SPACER	3	1603.16	PLUG G1/2	1
0303.47	HEX NUT M8X8	8	1603.64	OIL PLUG	1
0501.N6	CRANKCASE FLANGE "DELTA 140"	1	1603.74	PLUG	1
0501.N7	FLANGE "DELTA 140" TS MFVA	1	1604.N1	RIGHT HEAD "DELTA 140"	1
0508.19	BALL VALVE FLANGE "DELTA 140"	1	1604.N2	LEFT HEAD "DELTA 140"	2
0604.09	BRASS NUT G1/2	2	1804.03	HEX BOLT M10X30	6
0604.50	BARB NUT G1-1/2"	1	1804.23	HEX BOLT M10X40	15
0605.09	GASKET D17	1	1804.72	HEX BOLT M8X50	8
0608.16	AIR VALVE ASSEMBLY	1	1804.87	HEX BOLT	18
0608.26	HOSE BARB D13+GASKET	2	1804.B4	HEX BOLT	8
0608.45	BALL VALVE RIGHT	1	1805.31	ALLEN BOLT M6X30	4
0608.46	BALL VALVE LEFT	1	1805.57	ALLEN BOLT	3
0903.02	PISTON DIAPHRAGM 116MM BUNA-N	3	6006.97	VALVE ASSEMBLY W/O O-RING	6
0903.16	ACCUMULATOR DIAPHRAGM	1	6015.01	ROD ASSY "DELTA 140" D75	3
0903.61	PISTON DIAPHRAGM 116MM GREENTECH	3	6017.P9	HEAD ASSEMBLY - RIGHT	1
1001.19	INLET NIPPLE	1	6017.R1	HEAD ASSEMBLY - LEFT	2
1101.01	O-RING - VALVE COVER	6	6031.30	PRESSURE ACCUMULATOR ASSEMBLY	1
1101.04	O-RING - BALL VALVE FLANGE	1	6033.12	OIL RESERVOIR ASSEMBLY	1
1101.25	O-RING - PRESSURE ACCUMULATOR	1	6062.16	DIAPHRAGM BOLT / WASHER (KIT 515)	1
1101.42	O-RING - INLET HOSE BARB	1	6062.H5	DIAPHRAGM KIT - GREENTECH (KIT 673)	1
1101.68	O-RING - OIL RESERVOIR	1	6062.H6	IN/OUT VALVE KIT (KIT 674)	1
1101.85	O-RING - OIL RESERVOIR	1	8700.83CK	COMPLETE REPAIR KIT	1
1101.G5	O-RING - INLET NIPPLE	1		● Parts in 6062.16 (Kit 515)	
1101.J4	O-RING - VALVE	6		◆ Parts in 6062.H5 (Kit 673)	
1101.J7	O-RING - HEAD, VITON	6		■ Parts in 6062.H6 (Kit 674)	
1101.N6	O-RING - CRANKSHAFT FLANGE	1		▼ Parts in 8700.83CK (Complete Repair Kit)	

Maximum Flow	36.4 GPM / 138 lpm
Maximum Pressure	725 PSI / 49 bar
Maximum RPM	550 RPM
Inlet Port	1-1/2" Hose Barb
Outlet Ports	(2) 1/2" Hose Barb Valve, 3/4" MPT
Bypass	1" Hose Barb
Dimensions	19.0"L x 15.5"W x 14.5"H
Weight	95 lbs

Lubrication: Requires 40 oz. of Udor Lube 40W Premium Pump Oil.
Alternate Oil: 30W non-detergent or 15W-40 non-detergent oil.



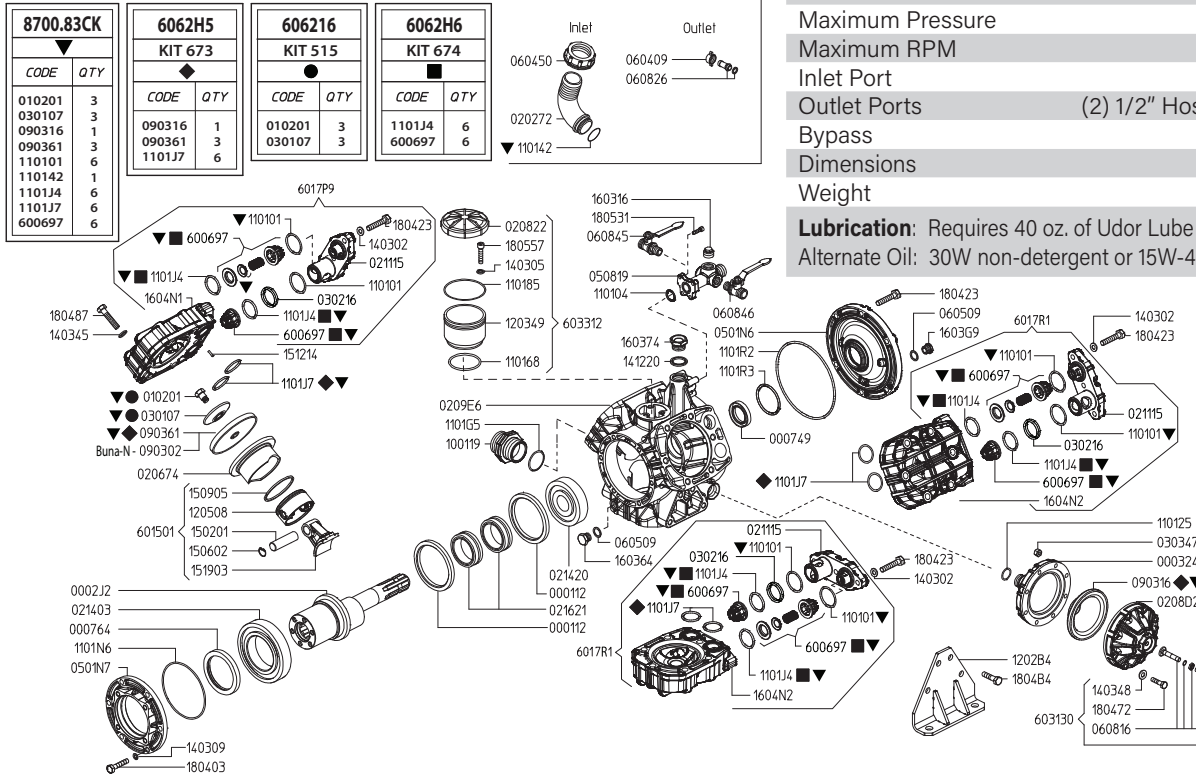
Revised 6-7-2022

Part #	Description	Qty	Part #	Description	Qty
0001.12	RETAINER RING "DELTA 140"	2	1101.R3	O-RING - CRANKCASE FLANGE	1
0002.J1	SHAFT "DELTA 140" TS 2C	1	1202.B4	BASE PLATE "DELTA 140"	2
0003.24	PRESSURE ACCUMULATOR "DELTA 140"	1	1203.49	OIL RESERVOIR	1
0007.49	OIL SEAL D35	2	1205.08	ALUMINIUM PISTON D75	3
0102.01	DIAPHRAGM BOLT ●▼	3	1403.02	WASHER D10.5	9
0202.72	HOSE BARB D40	1	1403.05	WASHER D8.4	3
0206.74	SLEEVE "DELTA 140"	3	1403.09	WASHER D10.5	6
0208.22	OIL RESERVOIR COVER	1	1403.45	WASHER D13	18
0208.D2	ACCUMULATOR COVER	1	1403.48	WASHER D8.4 DACROMET	8
0209.E6	PUMP BODY "DELTA 140"	1	1412.20	WASHER	1
0211.13	COVER "DELTA 140"	3	1502.01	PIN D18X64	3
0214.20	BALL BEARING D35	2	1506.02	SNAP RING D18	3
0216.21	ROLLER BEARING D35	2	1506.16	SNAP RING D55	1
0301.07	DIAPHRAGM DISC ●▼	3	1509.05	PISTON RING D75	3
0302.16	SPACER	3	1512.14	PIN	3
0303.47	HEX NUT M8X8	8	1519.03	CONNECTING ROD	3
0501.40	FLANGE "DELTA 140" TS 2C	1	1603.16	PLUG G1/2	1
0501.N6	CRANKCASE FLANGE "DELTA 140"	1	1603.64	OIL PLUG	1
0508.19	BALL VALVE FLANGE "DELTA 140"	1	1603.74	PLUG	1
0604.09	BRASS NUT G1/2	2	1604.N1	RIGHT HEAD "DELTA 140"	1
0604.50	BARB NUT G1-1/2"	1	1604.N2	LEFT HEAD "DELTA 140"	2
0605.09	GASKET D17	1	1804.03	HEX BOLT M10X30	6
0608.16	AIR VALVE ASSEMBLY	1	1804.23	HEX BOLT M10X40	15
0608.26	HOSE BARB D13+GASKET	2	1804.72	HEX BOLT M8X50	8
0608.45	BALL VALVE RIGHT	1	1804.87	HEX BOLT	18
0608.46	BALL VALVE LEFT	1	1804.B4	HEX BOLT	8
0903.02	PISTON DIAPHRAGM 116MM BUNA-N	3	1805.31	ALLEN BOLT M6X30	4
0903.16	ACCUMULATOR DIAPHRAGM ◆▼	1	1805.57	ALLEN BOLT	3
0903.61	PISTON DIAPHRAGM 116MM GREENTECH ◆▼	3	6006.97	VALVE ASSEMBLY W/O O-RING ■▼	6
1001.19	INLET NIPPLE	1	6015.01	ROD ASSY "DELTA 140" D75	3
1101.01	O-RING - VALVE COVER ▼	6	6017.P9	HEAD ASSEMBLY - RIGHT	1
1101.04	O-RING - BALL VALVE FLANGE	1	6017.R1	HEAD ASSEMBLY - LEFT	2
1101.25	O-RING - PRESSURE ACCUMULATOR	1	6031.30	PRESSURE ACCUMULATOR ASSEMBLY	1
1101.42	O-RING - INLET HOSE BARB ▼	1	6033.12	OIL RESERVOIR ASSEMBLY	1
1101.68	O-RING - OIL RESERVOIR	1	6062.16	DIAPHRAGM BOLT / WASHER (KIT 515)	1
1101.71	O-RING - CRANKSHAFT FLANGE	2	6062.H5	DIAPHRAGM KIT - GREENTECH (KIT 673)	1
1101.85	O-RING - OIL RESERVOIR	1	6062.H6	IN/OUT VALVE KIT (KIT 674)	1
1101.G5	O-RING - INLET NIPPLE	1	8700.83CK	COMPLETE REPAIR KIT	1
1101.J4	O-RING - VALVE ■▼	6			
1101.J7	O-RING - HEAD, VITON ◆▼	6			
1101.R2	O-RING - CRANKCASE FLANGE	1			

- Parts in 6062.16 (Kit 515)
- ◆ Parts in 6062.H5 (Kit 673)
- Parts in 6062.H6 (Kit 674)
- ▼ Parts in 8700.83CK (Complete Repair Kit)

Maximum Flow	36.4 GPM / 138 lpm
Maximum Pressure	725 PSI / 49 bar
Maximum RPM	550 RPM
Inlet Port	1-1/2" Hose Barb
Outlet Ports	(2) 1/2" Hose Barb Valve, 3/4" MPT
Bypass	1" Hose Barb
Dimensions	19.0"L x 15.5"W x 14.5"H
Weight	95 lbs

Lubrication: Requires 40 oz. of Udor Lube 40W Premium Pump Oil.
Alternate Oil: 30W non-detergent or 15W-40 non-detergent oil.



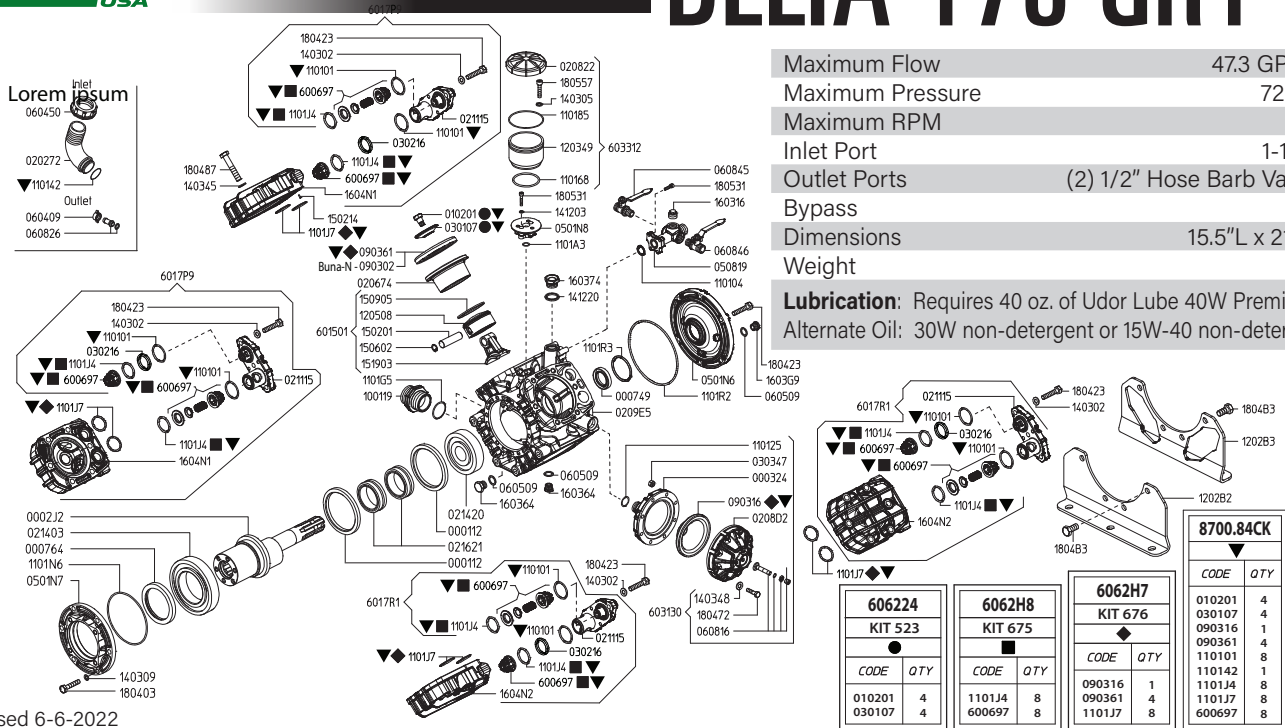
Revised 6-7-2022

Part #	Description	Qty	Part #	Description	Qty
0001.12	RETAINER RING "DELTA 140"	2	1101.R2	O-RING - CRANKCASE FLANGE	1
0002.J2	SHAFT "DELTA 140" TS MFVA	1	1101.R3	O-RING - CRANKCASE FLANGE	1
0003.24	PRESSURE ACCUMULATOR	1	1202.B4	BASE PLATE "DELTA 140"	2
0007.49	OIL SEAL D35	1	1203.49	OIL RESERVOIR	1
0007.64	OIL SEAL D75	1	1205.08	ALUMINIUM PISTON D75	3
0102.01	DIAPHRAGM BOLT ●▼	3	1403.02	WASHER D10.5	9
0202.72	HOSE BARB D40	1	1403.05	WASHER D8.4	3
0206.74	SLEEVE "DELTA 140"	3	1403.09	WASHER D10.5	6
0208.22	OIL RESERVOIR COVER	1	1403.45	WASHER D13	18
0208.D2	ACCUMULATOR COVER	1	1403.48	WASHER D8.4 DACROMET	8
0209.E6	PUMP BODY "DELTA 140"	1	1412.20	WASHER	1
0211.I3	VALVE COVER "DELTA 140"	3	1502.01	PIN D18X64	3
0214.03	BALL BEARING D75	1	1506.02	SNAP RING D18	3
0214.20	BALL BEARING D35	1	1509.05	PISTON RING D75	3
0216.21	ROLLER BEARING D35	2	1512.14	PIN	3
0301.07	DIAPHRAGM DISC ●▼	3	1519.03	CONNECTING ROD	3
0302.16	SPACER	3	1603.16	PLUG G1/2	1
0303.47	HEX NUT M8X8	8	1603.64	OIL PLUG	1
0501.N6	CRANKCASE FLANGE "DELTA 140"	1	1603.74	PLUG	1
0501.N7	FLANGE "DELTA 140" TS MFVA	1	1604.N1	RIGHT HEAD "DELTA 140"	1
0508.19	BALL VALVE FLANGE "DELTA 140"	1	1604.N2	LEFT HEAD "DELTA 140"	2
0604.09	BRASS NUT G1/2	2	1804.03	HEX BOLT M10X30	6
0604.50	BARB NUT G1-1/2"	1	1804.23	HEX BOLT M10X40	15
0605.09	GASKET D17	1	1804.72	HEX BOLT M8X50	8
0608.16	AIR VALVE ASSEMBLY	1	1804.87	HEX BOLT	18
0608.26	HOSE BARB D13+GASKET	2	1804.B4	HEX BOLT	8
0608.45	BALL VALVE RIGHT	1	1805.31	ALLEN BOLT M6X30	4
0608.46	BALL VALVE LEFT	1	1805.57	ALLEN BOLT	3
0903.02	PISTON DIAPHRAGM 116MM BUNA-N	3	6006.97	VALVE ASSEMBLY W/O O-RING ■▼	6
0903.16	ACCUMULATOR DIAPHRAGM ◆▼	1	6015.01	ROD ASSY "DELTA 140" D75	3
0903.61	PISTON DIAPHRAGM 116MM GREENTECH ◆▼	3	6017.P9	HEAD ASSEMBLY - RIGHT	1
1001.19	INLET NIPPLE	1	6017.R1	HEAD ASSEMBLY - LEFT	2
1101.01	O-RING - VALVE COVER ▼	6	6031.30	PRESSURE ACCUMULATOR ASSEMBLY	1
1101.04	O-RING - BALL VALVE FLANGE	1	6033.12	OIL RESERVOIR ASSEMBLY	1
1101.25	O-RING - PRESSURE ACCUMULATOR	1	6062.16	DIAPHRAGM BOLT / WASHER (KIT 515)	1
1101.42	O-RING - INLET HOSE BARB ▼	1	6062.H5	DIAPHRAGM KIT - GREENTECH (KIT 673)	1
1101.68	O-RING - OIL RESERVOIR	1	6062.H6	IN/OUT VALVE KIT (KIT 674)	1
1101.85	O-RING - OIL RESERVOIR	1	8700.83CK	COMPLETE REPAIR KIT	1
1101.G5	O-RING - INLET NIPPLE	1	●	Parts in 6062.16 (Kit 515)	
1101.J4	O-RING - VALVE ■▼	6	◆	Parts in 6062.H5 (Kit 673)	
1101.J7	O-RING - HEAD, VITON ◆▼	6	■	Parts in 6062.H6 (Kit 674)	
1101.N6	O-RING - CRANKSHAFT FLANGE	1	▼	Parts in 8700.83CK (Complete Repair Kit)	

DELTA 170 GR1-1/8

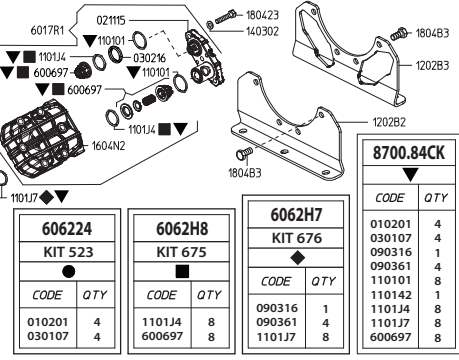
Maximum Flow	47.3 GPM / 179.2 lpm
Maximum Pressure	725 PSI / 50 bar
Maximum RPM	550 RPM
Inlet Port	1-1/2" Hose Barb
Outlet Ports	(2) 1/2" Hose Barb Valve, 3/4" MPT
Bypass	1" Hose Barb
Dimensions	15.5"L x 21.5"W x 16.5"H
Weight	130 lbs

Lubrication: Requires 40 oz. of Udor Lube 40W Premium Pump Oil.
Alternate Oil: 30W non-detergent or 15W-40 non-detergent oil.



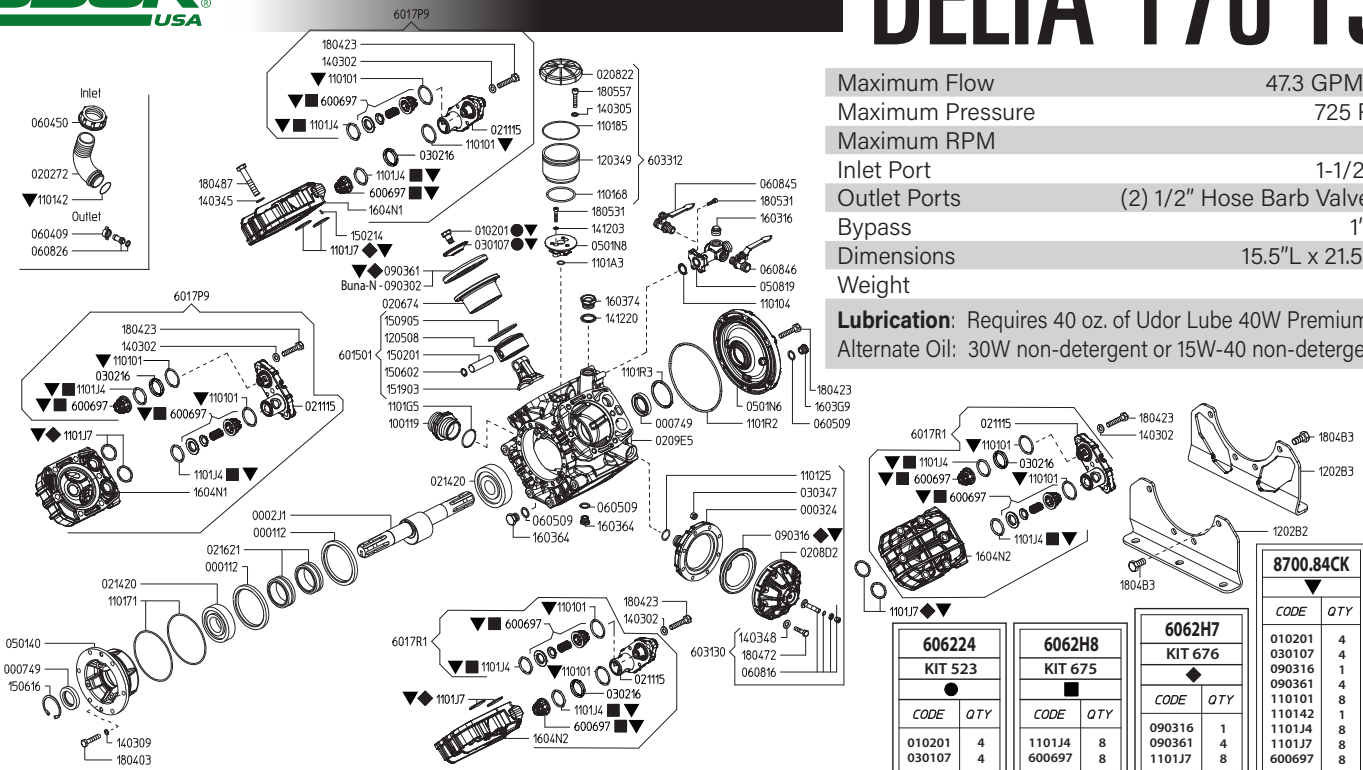
Revised 6-6-2022

Part #	Description	Qty	Part #	Description	Qty
0001.12	RETAINER RING "DELTA 140/170"	2	1101.R2	O-RING - CRANKCASE FLANGE	1
0002.J2	SHAFT "DELTA 140/170" TS MFVA	1	1101.R3	O-RING - CRANKCASE FLANGE	1
0003.24	PRESSURE ACCUMULATOR	1	1202.B2	BASE PLATE "DELTA 170"	1
0007.49	OIL SEAL D35	1	1202.B3	BASE PLATE "DELTA 170"	1
0007.64	OIL SEAL D75	1	1203.49	OIL RESERVOIR "BETA"	1
0102.01	DIAPHRAGM BOLT ●▼	4	1205.08	ALUMINIUM PISTON D75	4
0202.72	HOSE BARB D40	1	1403.02	WASHER D10.5	12
0206.74	SLEEVE "DELTA 140/170"	4	1403.05	WASHER D8.4	3
0208.22	OIL RESERVOIR COVER	1	1403.09	WASHER D10.5	6
0208.D2	ACCUMULATOR COVER	1	1403.45	WASHER D13	24
0209.E5	PUMP BODY	1	1403.48	WASHER D8.4 DACROMET	8
0211.15	VALVE COVER	4	1412.03	WASHER	2
0214.03	BALL BEARING D75	1	1412.20	WASHER	1
0214.20	BALL BEARING D35	1	1502.01	PIN D18X64	4
0216.21	ROLLER BEARING D35	2	1502.14	PIN	4
0301.07	DIAPHRAGM DISC ●▼	4	1506.02	SNAP RING D18	4
0302.16	SPACER	4	1509.05	PISTON RING D75	4
0303.47	HEX NUT M8X8	8	1519.03	CONNECTING ROD	4
0501.N6	CRANKCASE FLANGE	1	1603.16	PLUG G1/2	1
0501.N7	CRANKCASE FLANGE - MFVA	1	1603.64	OIL PLUG	2
0501.N8	FLANGE - OIL BOWL	1	1603.74	PLUG	1
0508.19	BALL VALVE FLANGE "DELTA 140/170"	1	1604.N1	RIGHT HEAD "DELTA 140/170"	2
0604.09	BRASS NUT G1/2	1	1604.N2	LEFT HEAD "DELTA 140/170"	2
0604.50	BARB NUT G1-1/2"	1	1804.03	HEX BOLT M10X30	6
0605.09	GASKET D17	2	1804.23	HEX BOLT M10X40	18
0608.16	AIR VALVE ASSEMBLY	1	1804.72	HEX BOLT M8X50	8
0608.26	HOSE BARB D13+GASKET	1	1804.87	HEX BOLT	24
0608.45	BALL VALVE RIGHT	1	1804.B3	HEX BOLT	8
0608.46	BALL VALVE LEFT	1	1805.31	ALLEN BOLT M6X30	6
0903.02	PISTON DIAPHRAGM 116MM BUNA-N	4	1805.57	ALLEN BOLT	3
0903.16	ACCUMULATOR DIAPHRAGM ◆▼	1	6006.97	VALVE ASSEMBLY W/O O-RING ■▼	8
0903.61	PISTON DIAPHRAGM 116MM GREENTECH ◆▼	4	6015.01	ROD ASSY "DELTA 140/170" D75	4
1001.19	INLET NIPPLE	1	6017.P9	HEAD ASSEMBLY - RIGHT	2
1101.01	O-RING - VALVE COVER ▼	8	6017.R1	HEAD ASSEMBLY - LEFT	2
1101.04	O-RING - BALL VALVE FLANGE	1	6031.30	PRESSURE ACCUMULATOR ASSEMBLY	1
1101.25	O-RING - ACUMULATOR	1	6033.12	OIL RESERVIOR ASSEMBLY	1
1101.42	O-RING - INLET HOSE BARB ▼	1	6062.24	DIAPHRAGM BOLT / WASHER KIT (KIT 523)	1
1101.68	O-RING - OIL RESERVOIR	1	6062.H7	DIAPHRAGM KIT - GREENTECH (KIT 676)	1
1101.85	O-RING - OIL RESERVOIR	1	6062.H8	IN/OUT VALVE KIT (KIT 675)	1
1101.A3	O-RING - OIL RESERVOIR	1	8700.84CK	COMPLETE REPAIR KIT	1
1101.G5	O-RING - INLET NIPPLE	1	●	Parts in 6062.24 (Kit 523)	
1101.J4	O-RING - VALVE ■▼	8	◆	Parts in 6062.H7 (Kit 676)	
1101.J7	O-RING - HEAD, VITON ◆▼	8	■	Parts in 6062.H8 (Kit 675)	
1101.N6	O-RING - CRANKCASE FLANGE	1	▼	Parts in 8700.84CK (Complete Repair Kit)	



Maximum Flow	47.3 GPM / 179.2 lpm
Maximum Pressure	725 PSI / 50 bar
Maximum RPM	550 RPM
Inlet Port	1-1/2" Hose Barb
Outlet Ports	(2) 1/2" Hose Barb Valve, 3/4" MPT
Bypass	1" Hose Barb
Dimensions	15.5"L x 21.5"W x 16.5"H
Weight	110 lbs

Lubrication: Requires 40 oz. of Udor Lube 40W Premium Pump Oil.
Alternate Oil: 30W non-detergent or 15W-40 non-detergent oil.

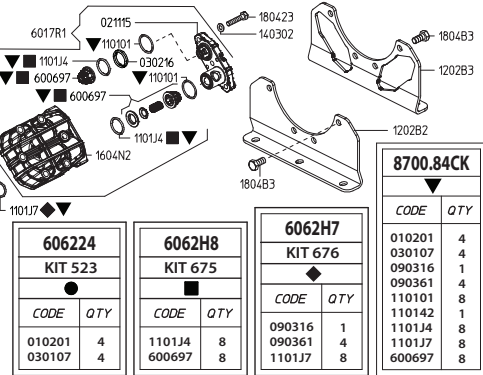


Revised 6-6-2022

Part #	Description	Qty
0001.12	RETAINER RING "DELTA 140/170"	2
0002.J1	SHAFT "DELTA 140/170" TS 2C	1
0003.24	PRESSURE ACCUMULATOR	1
0007.49	OIL SEAL D35	2
0102.01	DIAPHRAGM BOLT ●▼	4
0202.72	HOSE BARB D40	1
0206.74	SLEEVE "DELTA 140/170"	4
0208.22	OIL RESERVOIR COVER	1
0208.D2	ACCUMULATOR COVER	1
0209.E5	PUMP BODY "DELTA 170"	1
0211.15	COVER "DELTA 140/170"	4
0214.20	BALL BEARING D35	2
0216.21	ROLLER BEARING D35	2
0301.07	DIAPHRAGM DISC ●▼	4
0302.16	SPACER	4
0303.47	HEX NUT M8X8	8
0501.40	FLANGE - TS 2C	1
0501.N6	CRANKCASE FLANGE "DELTA 140/170"	1
0501.N8	FLANGE - OIL BOWL	1
0508.19	BALL VALVE FLANGE "DELTA 140/170"	1
0604.09	BRASS NUT G1/2	1
0604.50	BARB NUT G1-1/2"	1
0605.09	GASKET D17	2
0608.16	AIR VALVE ASSEMBLY	1
0608.26	HOSE BARB D13+GASKET	1
0608.45	BALL VALVE RIGHT	1
0608.46	BALL VALVE LEFT	1
0903.02	PISTON DIAPHRAGM 116MM BUNA-N	4
0903.16	ACCUMULATOR DIAPHRAGM ◆▼	1
0903.61	PISTON DIAPHRAGM 116MM GREENTECH ◆▼	4
1001.19	INLET NIPPLE	1
1101.01	O-RING - VALVE COVER ▼	8
1101.04	O-RING - BALL VALVE FLANGE	1
1101.25	O-RING - ACUMULATOR	1
1101.42	O-RING - INLET HOSE BARB▼	1
1101.68	O-RING - OIL RESERVOIR	1
1101.71	O-RING - CRANKCASE FLANGE	2
1101.85	O-RING - OIL RESERVOIR	1
1101.A3	O-RING - OIL RESERVOIR	1
1101.G5	O-RING - INLET NIPPLE	1
1101.J4	O-RING - VALVE ■▼	8
1101.J7	O-RING - HEAD, VITON ◆▼	8
1101.R2	O-RING - CRANKCASE FLANGE	1

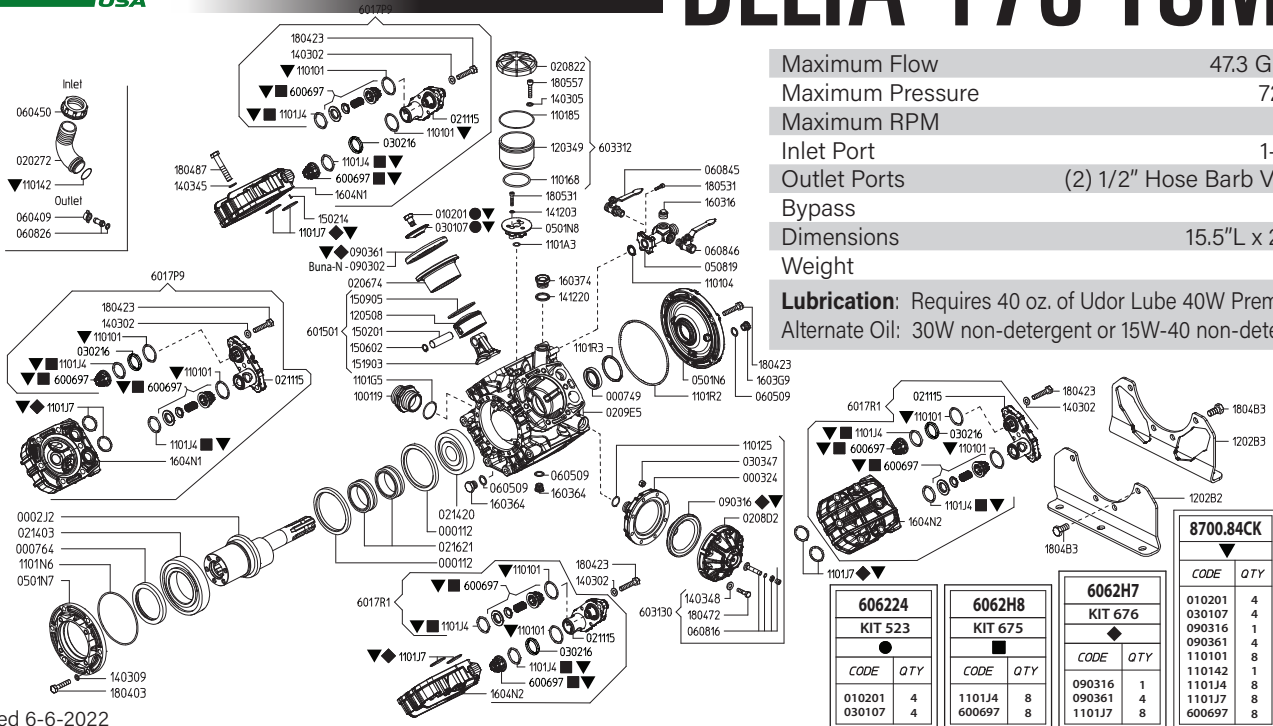
Part #	Description	Qty
1101.R3	O-RING - CRANKCASE FLANGE	1
1202.B2	BASE PLATE "DELTA 170"	1
1202.B3	BASE PLATE "DELTA 170"	1
1203.49	OIL RESERVOIR	1
1205.08	ALUMINIUM PISTON D75	4
1403.02	WASHER M10	8
1403.05	WASHER M8	3
1403.09	WASHER M10	6
1403.45	WASHER M13	24
1403.48	WASHER M8	8
1412.03	WASHER	2
1412.20	WASHER	1
1502.01	PIN D18X64	4
1502.14	PIN	4
1506.02	SNAP RING D18	4
1506.16	SNAP RING D55	1
1509.05	PISTON RING D75	4
1519.03	CONNECTING ROD	4
1603.16	PLUG G1/2	1
1603.64	OIL PLUG	2
1603.74	PLUG	1
1604.N1	RIGHT HEAD "DELTA 140/170"	2
1604.N2	LEFT HEAD "DELTA 140/170"	2
1804.03	HEX BOLT M10X30	6
1804.23	HEX BOLT M10X40	14
1804.72	HEX BOLT M8X50	8
1804.87	HEX BOLT	24
1804.B3	HEX BOLT	8
1805.31	ALLEN BOLT M6X30 UNI5931 DACROMET	6
1805.57	ALLEN BOLT	3
6006.97	VALVE ASSEMBLY W/O O-RING ■▼	8
6015.01	ROD ASSEMBLY D75	4
6017.P9	HEAD ASSEMBLY - RIGHT	2
6017.R1	HEAD ASSEMBLY - LEFT	2
6031.30	PRESSURE ACCUMULATOR ASSEMBLY	1
6033.12	OIL RESERVOIR ASSEMBLY	1
6062.24	DIAPHRAGM BOLT / WASHER KIT (KIT 523)	1
6062.H7	DIAPHRAGM KIT - GREENTECH (KIT 676)	1
6062.H8	IN/OUT VALVE KIT (KIT 675)	1
8700.__CK	COMPLETE REPAIR KIT	1

- Parts in 6062.24 (Kit 523)
- ◆ Parts in 6062.H7 (Kit 676)
- Parts in 6062.H8 (Kit 675)
- ▼ Parts in 8700.__CK (Complete Repair Kit)



Maximum Flow	47.3 GPM / 179.2 lpm
Maximum Pressure	725 PSI / 50 bar
Maximum RPM	550 RPM
Inlet Port	1-1/2" Hose Barb
Outlet Ports	(2) 1/2" Hose Barb Valve, 3/4" MPT
Bypass	1" Hose Barb
Dimensions	15.5" L x 21.5" W x 16.5" H
Weight	110 lbs

Lubrication: Requires 40 oz. of Udor Lube 40W Premium Pump Oil.
Alternate Oil: 30W non-detergent or 15W-40 non-detergent oil.



Revised 6-6-2022

Part #	Description	Qty
0001.12	RETAINER RING "DELTA 140/170"	2
0002.J2	SHAFT "DELTA 140/170" TS MFVA	1
0003.24	PRESSURE ACCUMULATOR	1
0007.49	OIL SEAL D35	1
0007.64	OIL SEAL D75	1
0102.01	DIAPHRAGM BOLT ●▼	4
0202.72	HOSE BARB D40	1
0206.74	SLEEVE "DELTA 140/170"	4
0208.22	OIL RESERVOIR COVER	1
0208.D2	ACCUMULATOR COVER	1
0209.E5	PUMP BODY	1
0211.15	VALVE COVER	4
0214.03	BALL BEARING D75	1
0214.20	BALL BEARING D35	1
0216.21	ROLLER BEARING D35	2
0301.07	DIAPHRAGM DISC ●▼	4
0302.16	SPACER	4
0303.47	HEX NUT M8X8	8
0501.N6	CRANKCASE FLANGE	1
0501.N7	CRANKCASE FLANGE - MFVA	1
0501.N8	FLANGE - OIL BOWL	1
0508.19	BALL VALVE FLANGE "DELTA 140/170"	1
0604.09	BRASS NUT G1/2	1
0604.50	BARB NUT G1-1/2"	1
0605.09	GASKET D17	2
0608.16	AIR VALVE ASSEMBLY	1
0608.26	HOSE BARB D13+GASKET	1
0608.45	BALL VALVE RIGHT	1
0608.46	BALL VALVE LEFT	1
0903.02	PISTON DIAPHRAGM 116MM BUNA-N	4
0903.16	ACCUMULATOR DIAPHRAGM ◆▼	1
0903.61	PISTON DIAPHRAGM 116MM GREENTECH ◆▼	4
1001.19	INLET NIPPLE	1
1101.01	O-RING - VALVE COVER ▼	8
1101.04	O-RING - BALL VALVE FLANGE	1
1101.25	O-RING - ACUMULATOR	1
1101.42	O-RING - INLET HOSE BARB ▼	1
1101.68	O-RING - OIL RESERVOIR	1
1101.85	O-RING - OIL RESERVOIR	1
1101.A3	O-RING - OIL RESERVOIR	1
1101.G5	O-RING - INLET NIPPLE	1
1101.J4	O-RING - VALVE ■▼	8
1101.J7	O-RING - HEAD, VITON ◆▼	8
1101.N6	O-RING - CRANKCASE FLANGE	1

Part #	Description	Qty
1101.R2	O-RING - CRANKCASE FLANGE	1
1101.R3	O-RING - CRANKCASE FLANGE	1
1202.B2	BASE PLATE "DELTA 170"	1
1202.B3	BASE PLATE "DELTA 170"	1
1203.49	OIL RESERVOIR "BETA"	1
1205.08	ALUMINIUM PISTON D75	4
1403.02	WASHER D10.5	12
1403.05	WASHER D8.4	3
1403.09	WASHER D10.5	6
1403.45	WASHER D13	24
1403.48	WASHER D8.4 DACROMET	8
1412.03	WASHER	2
1412.20	WASHER	1
1502.01	PIN D18X64	4
1502.14	PIN	4
1506.02	SNAP RING D18	4
1509.05	PISTON RING D75	4
1519.03	CONNECTING ROD	4
1603.16	PLUG G1/2	1
1603.64	OIL PLUG	2
1603.74	PLUG	1
1604.N1	RIGHT HEAD "DELTA 140/170"	2
1604.N2	LEFT HEAD "DELTA 140/170"	2
1804.03	HEX BOLT M10X30	6
1804.23	HEX BOLT M10X40	18
1804.72	HEX BOLT M8X50	8
1804.87	HEX BOLT	24
1804.B3	HEX BOLT	8
1805.31	ALLEN BOLT M6X30	6
1805.57	ALLEN BOLT	3
6006.97	VALVE ASSEMBLY W/O O-RING ■▼	8
6015.01	ROD ASSY "DELTA 140/170" D75	4
6017.P9	HEAD ASSEMBLY - RIGHT	2
6017.R1	HEAD ASSEMBLY - LEFT	2
6031.30	PRESSURE ACCUMULATOR ASSEMBLY	1
6033.12	OIL RESERVIOR ASSEMBLY	1
6062.24	DIAPHRAGM BOLT / WASHER KIT (KIT 523)	1
6062.H7	DIAPHRAGM KIT - GREENTECH (KIT 676)	1
6062.H8	IN/OUT VALVE KIT (KIT 675)	1
8700.84CK	COMPLETE REPAIR KIT	1

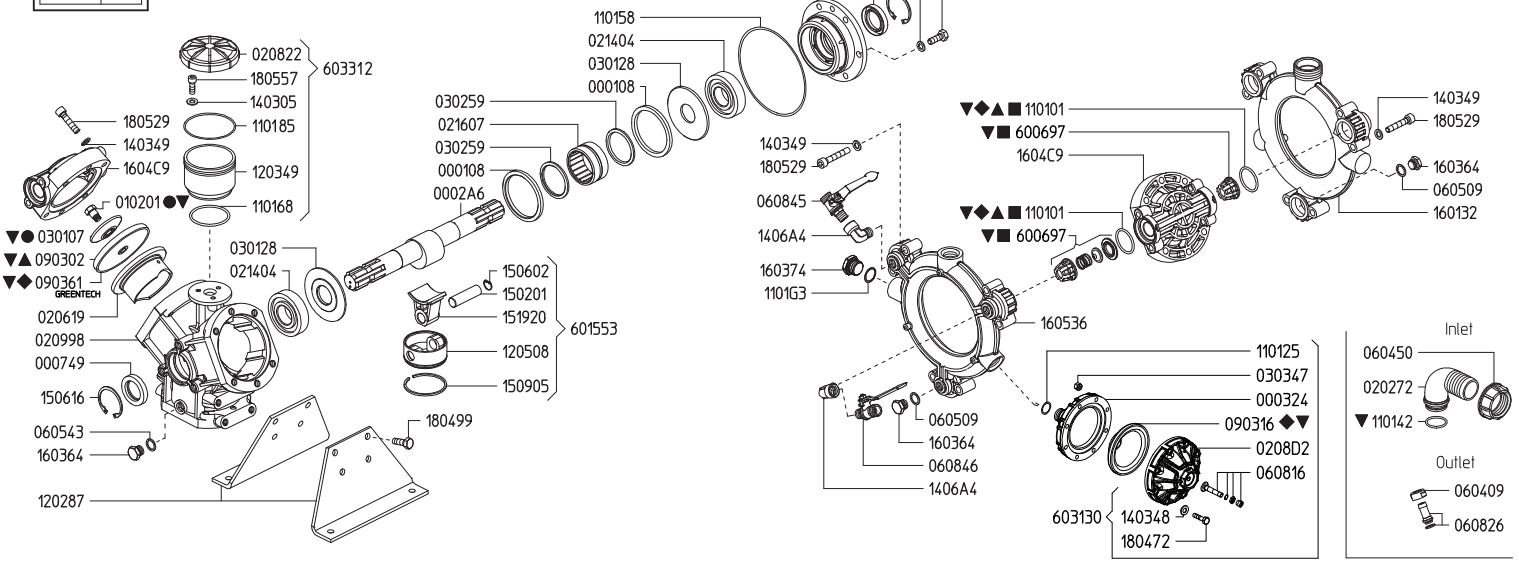
- Parts in 6062.24 (Kit 523)
- ◆ Parts in 6062.H7 (Kit 676)
- Parts in 6062.H8 (Kit 675)
- ▼ Parts in 8700.84CK (Complete Repair Kit)

OMEGA 139 TS2C

Maximum Flow	37.0 GPM / 140 lpm
Maximum Pressure	725 PSI / 50 bar
Maximum RPM	550 RPM
Inlet Port	1-1/2" Hose Barb
Outlet Ports	(2) 1/2" Hose Barb Valve, 3/4" FPT
Bypass	1" Hose Barb
Dimensions	17.7"L x 14.4"W x 15.4"H
Weight	51 lbs

Lubrication: Requires 40 oz. of Udor Lube 40W Premium Pump Oil.
Alternate Oil: 30W non-detergent or 15W-40 non-detergent oil.

8700.30CK		6062E8		6062E7		6062D9		606216	
CODE	QTY	CODE	QTY	CODE	QTY	CODE	QTY	CODE	QTY
010201	3	090316	1	090302	3	110101	6	010201	3
030107	3	090361	3	090316	1	600697	6	030107	3
090316	1	110101	6	110101	6				
090361	3								
110101	6								
110142	1								
6063E2	6								



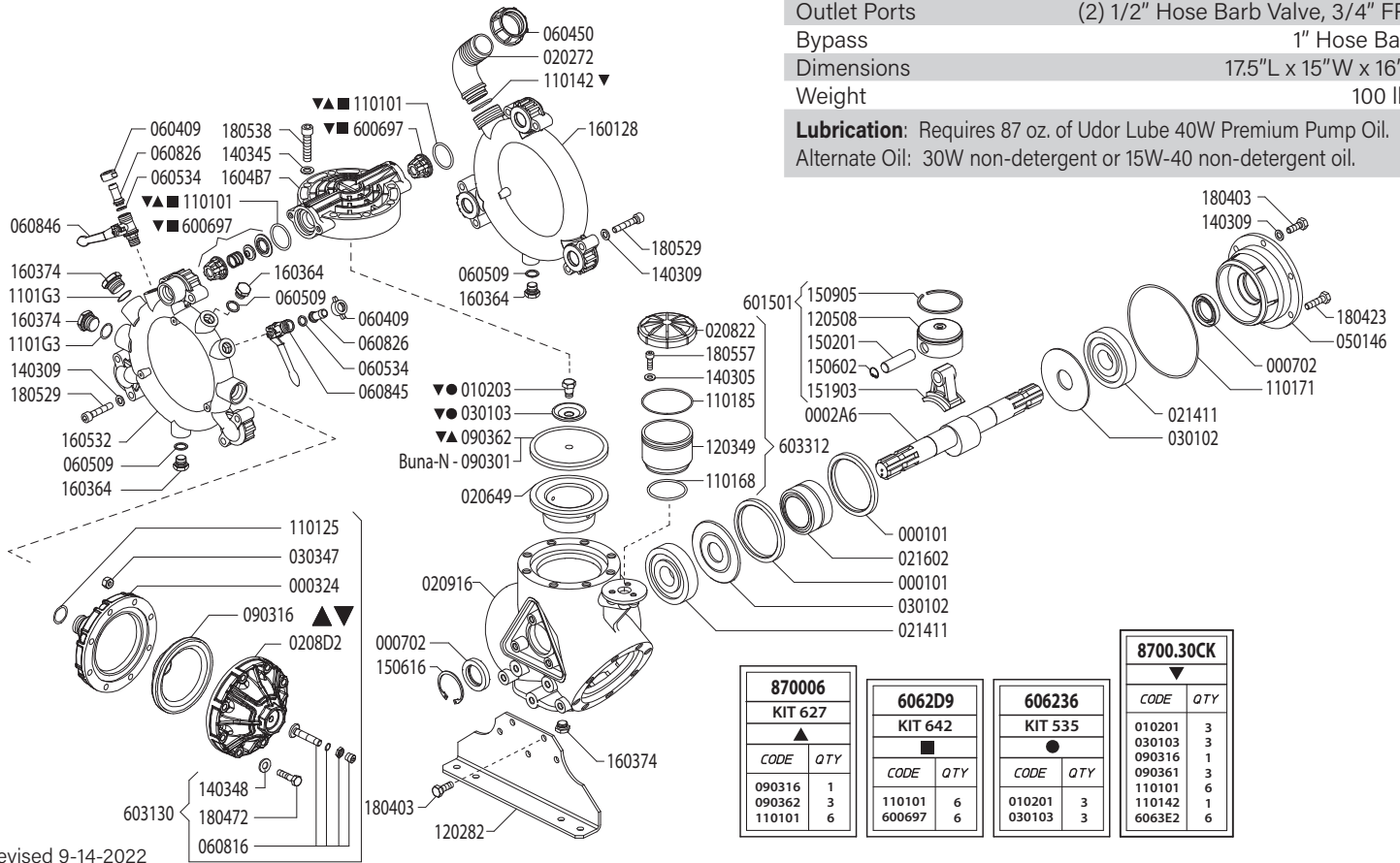
Revised 2-25-2022

Part #	Description	Qty	Part #	Description	Qty
0001.08	RETAINER RING "ZETA 170/260"	2	1202.87	BASE PLATE	2
0002.A6	SHAFT "ZETA 350/OMEGA" TS 2C	1	1203.49	OIL RESERVOIR	1
0003.10	PRESSURE ACCUMULATOR BASE	1	1205.08	ALUMINIUM PISTON D75	3
0007.49	OIL SEAL D35	2	1403.05	WASHER M8	11
0102.01	DIAPHRAGM BOLT ●▼	3	1403.49	WASHER M10	36
0202.72	HOSE BARB D40	1	1406.A4	ELBOW G3/8 M - G3/8 F	2
0206.19	SLEEVE D75	3	1502.01	PIN D18X64	3
0208.21	PRESSURE ACCUMULATOR COVER	1	1506.02	SNAP RING D18	3
0208.22	OIL RESERVOIR COVER	1	1506.16	SNAP RING D55	2
0209.98	CRANKCASE	1	1509.05	PISTON RING D75	3
0214.04	BALL BEARING D35	2	1519.20	CONNECTING ROD	3
0216.07	ROLLER BEARING D55	1	1601.32	SUCTION MANIFOLD	1
0301.07	DIAPHRAGM DISC "ZETA/KAPPA 121/151" ●▼	3	1603.64	PLUG G3/8	3
0301.28	ROD DISC "ZETA 170/200/260/300"	2	1603.74	PLUG G3/4	1
0302.59	ROD SPACER "ZETA 230/260"	2	1604.C9	HEAD	3
0303.47	HEX NUT M8X8	8	1605.36	OUTLET MANIFOLD	1
0501.L2	BUSHING FLANGE "OMEGA 135/139"	1	1804.54	HEX BOLT M8X35	8
0604.09	BRASS NUT G1/2	1	1804.99	HEX BOLT M10X25	8
0604.50	BARB NUT G1-1/2"	1	1805.29	ALLEN BOLT M10X55	30
0605.09	GASKET D17	2	1805.57	ALLEN BOLT M8X22	3
0605.43	GASKET D17	1	6006.97	VALVE ASSEMBLY W/O O-RING ■▼	6
0608.16	AIR VALVE ASSEMBLY	1	6015.53	ROD ASSY "OMEGA 135" D75	3
0608.26	HOSE BARB D13+GASKET	1	6031.02	PRESSURE ACCUMULATOR ASSEMBLY	1
0608.45	BALL VALVE RIGHT	1	6033.12	OIL RESERVOIR ASSEMBLY	1
0608.46	BALL VALVE LEFT	1	6062.16	DIAPHRAGM BOLT/WASHER KIT (KIT 515)	1
0903.02	PISTON DIAPHRAGM D116 BUNA-N ▲	3	6062.D9	IN/OUTLET VALVE KIT (KIT 642)	1
0903.16	ACCUMULATOR DIAPHRAGM ▲▲▲▼	1	6062.E7	DIAPHRAGM KIT - BUNA-N (KIT 649)	1
0903.61	PISTON DIAPHRAGM D116 GREENTECH ◆▼	3	6062.E8	DIAPHRAGM KIT - GREENTECH (KIT 650)	1
1101.01	O-RING - VALVE ▲▲◆◆▼	6	8700.30CK	COMPLETE REPAIR KIT	1
1101.25	O-RING - ACCUMULATOR	1	●	Parts in 6062.16 (Kit 515)	
1101.42	O-RING - INLET HOSE BARB▼	1	■	Parts in 6062.D9 (Kit 642)	
1101.58	O-RING - BEARING FLANGE	1	▲	Parts in 6062.E7 (Kit 649)	
1101.68	O-RING - OIL RESERVOIR	1	◆	Parts in 6062.E8 (Kit 650)	
1101.85	O-RING - OIL RESERVOIR	1	▼	Parts in 8700.30CK Complete Repair Kit)	
1101.G3	O-RING - PLUG	1			

OMEGA 140 TS2C

Maximum Flow	39.0 GPM / 148 lpm
Maximum Pressure	725 PSI / 50 bar
Maximum RPM	550 RPM
Inlet Port	1-1/2" Hose Barb
Outlet Ports	(2) 1/2" Hose Barb Valve, 3/4" FPT
Bypass	1" Hose Barb
Dimensions	17.5"L x 15"W x 16"H
Weight	100 lbs

Lubrication: Requires 87 oz. of Udor Lube 40W Premium Pump Oil.
Alternate Oil: 30W non-detergent or 15W-40 non-detergent oil.



Revised 9-14-2022

870006 KIT 627		6062D9 KIT 642		606236 KIT 535		8700.30CK	
CODE	QTY	CODE	QTY	CODE	QTY	CODE	QTY
090316	1	110101	6	010201	3	010201	3
090362	3	600697	6	030103	3	030103	3
110101	6			090316	1	090316	1
				090362	3	090362	3
				110101	6	110101	6
				110142	1	110142	1
				6063E2	6	6063E2	6

Part #	Description	Qty
0001.01	RETAINER RING	2
0002.A6	SHAFT "ZETA 350/OMEGA" TS 2C	1
0003.24	PRESSURE ACCUMULATOR BASE	1
0007.02	SEAL	2
0102.01	DIAPHRAGM BOLT ●▼	3
0202.72	HOSE BARB D40	1
0206.49	PISTON SLEEVE	3
0208.22	OIL RESERVOIR COVER "BETA"	1
0208.D2	ACCUMULATOR COVER "BETA"	1
0209.16	PUMP BODY	1
0214.11	BALL BEARING	2
0216.02	NEEDLE BEARING	1
0301.02	SPACER	2
0301.03	DIAPHRAGM WASHER ●	3
0303.47	HEX NUT M8X8	8
0501.46	BEARING FLANGE	1
0604.09	BRASS NUT G1/2	2
0604.50	BARB NUT	1
0605.09	ALUMINUM GASKET	2
0605.34	GASKET	2
0608.16	AIR VALVE ASSEMBLY	1
0608.26	1/2" BARB	2
0608.45	BALL VALVE RIGHT	1
0608.46	BALL VALVE LEFT	1
0903.01	PISTON DIAPHRAGM 130MM BUNA-N	3
0903.16	ACCUMULATOR DIAPHRAGM ▲▼	1
0903.62	PISTON DIAPHRAGM 130MM GREENTECH ▲▼	3
1101.01	O-RING - VALVE ■▲▼	6
1101.25	O-RING - ACCUMULATOR	1
1101.42	O-RING - INLET HOSE BARB▼	1
1101.68	O-RING - OIL RESERVOIR	1
1101.71	O-RING - BEARING FLANGE	1
1101.85	O-RING - OIL RESERVOIR	1
1101.G3	O-RING - PLUG	2
1202.82	MOUNTING RAIL	2
1203.49	OIL RESERVOIR "BETA"	1

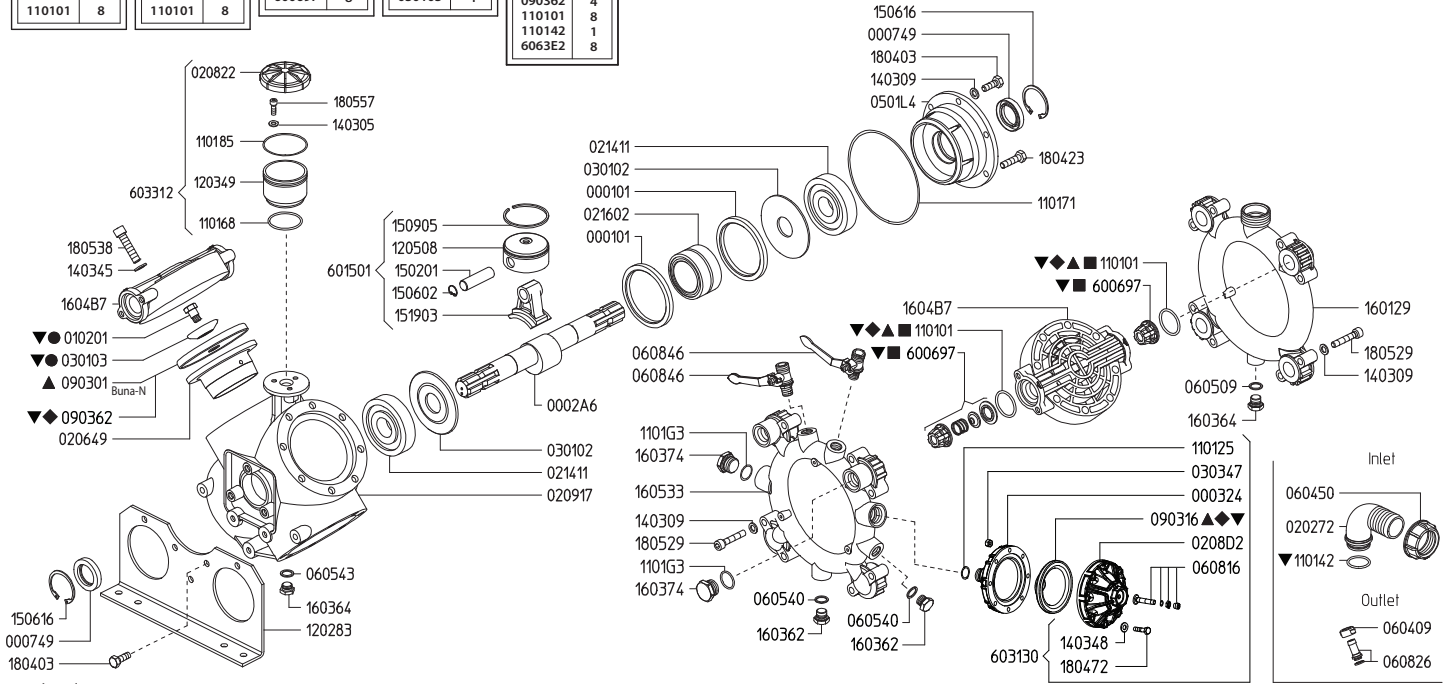
Part #	Description	Qty
1205.08	ALUMINIUM PISTON D75 "BETA/OMEGA/ZETA"	3
1403.05	WASHER D8.4	3
1403.09	WASHER	16
1403.45	WASHER	24
1403.48	WASHER D8.4	8
1502.01	PIN D18X64	3
1506.02	SNAP RING D18	6
1506.16	SNAP RING D55	1
1509.05	PISTON RING D75	3
1519.03	CONNECTING ROD	3
1601.28	SUCTION MANIFOLD	1
1603.64	PLUG G3/8	3
1603.74	PLUG G3/4	3
1604.B7	PUMP HEAD	3
1605.32	DISCHARGE MANIFOLD	1
1804.03	HEX BOLT	8
1804.23	HEX BOLT	2
1804.72	HEX SCREW M8X50	8
1805.29	ALLEN BOLT M10X55	2
1805.38	ALLEN BOLT	24
1805.57	ALLEN BOLT M8X22	3
6006.97	IN/OUT VALVE W/O O-RING ■▼	6
6015.01	PISTON ROD ASSEMBLY	3
6031.30	PRESSURE ACCUMULATOR ASSEMBLY	1
6033.12	OIL RESERVOIR ASSEMBLY	1
6015.01	PISTON/ROD ASSEMBLY	3
6031.02	ACCUMULATOR ASSEMBLY	1
6033.02	OIL RESERVOIR ASSEMBLY	1
6062.36	DIAPHRAGM BOLT/WASHER KIT (KIT 535)	1
6062.D9	IN/OUT VALVE KIT (KIT 642)	1
8700.06	DIAPHRAGM KIT - GREENTECH (KIT 627)	1
8700.06CK	COMPLETE REPAIR KIT	1
	● Parts in 6062.36 (Kit 515)	
	■ Parts in 6062.D9 (Kit 642)	
	▲ Parts in 8700.06 (Kit 627)	
	▼ Parts in 8700.06CK (Complete Repair Kit)	

OMEGA 170 TS2C

Maximum Flow	46.0 GPM / 174.5 lpm
Maximum Pressure	725 PSI / 50 bar
Maximum RPM	550 RPM
Inlet Port	1-1/2" Hose Barb
Outlet Ports	(2) 1/2" Hose Barb Valve, 3/4" FPT
Bypass	1" Hose Barb
Dimensions	17.4"L x 15.5"W x 17.2"H
Weight	120 lbs

Lubrication: Requires 84 oz. of Udor Lube 40W Premium Pump Oil.
Alternate Oil: 30W non-detergent or 15W-40 non-detergent oil.

870007 KIT 628		606233 KIT 532		6062E1 KIT 643		606236 KIT 535		8700.07CK	
CODE	QTY	CODE	QTY	CODE	QTY	CODE	QTY	CODE	QTY
090316	1	090301	4	110101	8	010201	4	010201	4
090362	4	090316	1	600697	8	030103	4	090316	1
110101	8	110101	8					110101	8
								110142	1
								6063E2	8



Revised 12-8-2022

Part #	Description	Qty	Part #	Description	Qty
0001.01	RETAINER RING "BETA/OMEGA"	2	1205.08	ALUMINIUM PISTON D75	4
0002.A6	SHAFT "ZETA 350/OMEGA" TS 2C	1	1403.05	WASHER D8.4	3
0003.24	PRESSURE ACCUMULATOR	1	1403.09	WASHER D10,5	19
0007.49	OIL SEAL D35	2	1403.45	WASHER D13	32
0102.01	DIAPHRAGM BOLT "ZETA/KAPPA 121" ◆▼	4	1403.48	WASHER D8.4	8
0202.72	HOSE BARB D40	1	1502.01	PIN D18X64	4
0206.49	SLEEVE D75 "OMEGA 170"	4	1506.02	SNAP RING D18	4
0208.22	OIL RESERVOIR COVER "BETA"	1	1506.16	SNAP RING D55	2
0208.D2	ACCUMULATOR COVER "BETA"	1	1509.05	PISTON RING D75	4
0209.17	CRANKCASE "BETA 150/OMEGA 170"	1	1519.03	CONNECTING ROD	4
0214.11	BALL BEARING D35	2	1601.29	SUCTION MANIFOLD	1
0216.02	ROLLER BEARING D55	1	1603.62	PLUG G1/2	2
0301.02	ROD DISC "BETA/OMEGA"	2	1603.64	PLUG G3/8	2
0301.03	DIAPHRAGM DISC "BETA/OMEGA" ●▼	4	1603.74	PLUG G3/4	2
0303.47	HEX NUT M8X8	8	1604.B7	HEAD "OMEGA 170"	4
0501.L4	BUSHING FLANGE "BETA/OMEGA"	1	1605.33	DISCHARGE MANIFOLD	1
0604.09	BRASS NUT G1/2	1	1804.03	HEX BOLT M10X30	8
0604.50	BARB NUT G1"1/2	1	1804.23	HEX BOLT M10X40	3
0605.09	GASKET D17	1	1804.72	HEX BOLT M8X50	8
0605.40	GASKET D21.5	2	1805.29	ALLEN BOLT M10X55	16
0605.43	GASKET D17	1	1805.38	ALLEN BOLT M12X60	32
0608.16	AIR VALVE ASSY	1	1805.57	ALLEN BOLT M8X22	3
0608.26	HOSE BARB D13+GASKET	1	6006.97	VALVE ASSEMBLY W/O O-RING ■▼	8
0608.46	BALL VALVE LEFT	2	6015.01	ROD ASSY "OMEGA/BETA" D75	4
0903.01	PISTON DIAPHRAGM - BUNA-N D130 ▲	4	6031.30	PRESSURE ACCUMULATOR ASSEMBLY	1
0903.16	ACCUMULATOR DIAPHRAGM ◆▲▼	1	6033.12	OIL RESERVOIR ASSEMBLY	1
0903.62	PISTON DIAPHRAGM - GREENTECH D130 ◆▼	4	6062.33	DIAPHRAGM KIT - BUNA-N (KIT 532)	1
1101.01	O-RING - VALVE ▲◆◆▼	8	6062.36	DIAPHRAGM BOLT/WASHER KIT (KIT 535)	1
1101.25	O-RING - PULSATION DAMPENNER	1	6062.E1	IN/OUTLET VALVE KIT "BETA 150" (KIT 643)	1
1101.42	O-RING - INLET HOSE BARB▼	1	8700.07	DIAPHRAGM KIT - GREENTECH (KIT 628)	1
1101.68	O-RING - OIL RESERVOIR	1	8700.07CK	COMPLETE REPAIR KIT	1
1101.71	O-RING - BUSHING FLANGE	1			
1101.85	O-RING - OIL RESERVOIR	1			
1101.G3	O-RING - PLUG	2			
1202.83	BASE PLATE "OMEGA 170"	2			
1203.49	OIL RESERVOIR	1			

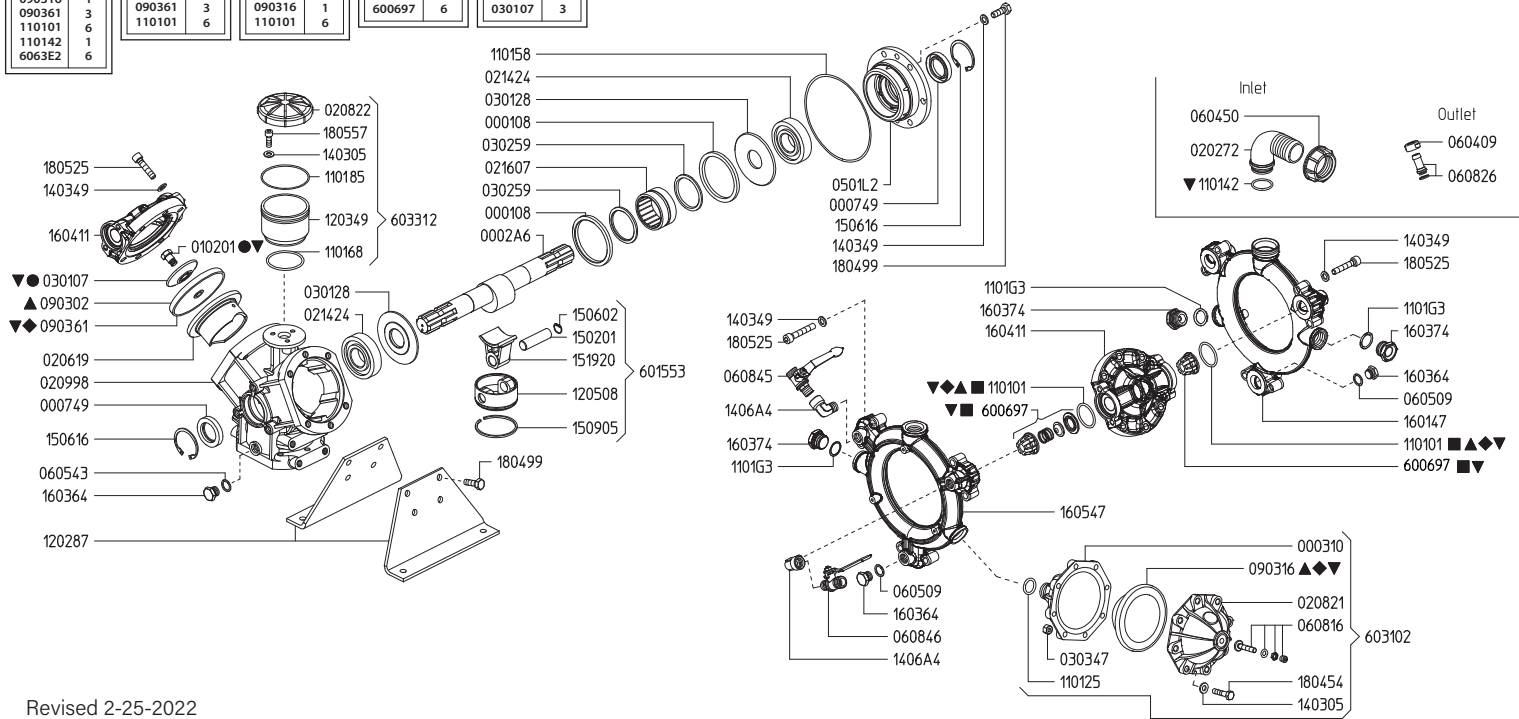
- ▲ Parts in 6062.33 (Kit 532)
- Parts in 6062.36 (Kit 535)
- Parts in 6062.E1 (Kit 643)
- ◆ Parts in 8700.07 (Kit 628)
- ▼ Parts in 8700.07CK (Complete Repair Kit)

BETA-S 135 TS2C

Maximum Flow	370 GPM / 137 lpm
Maximum Pressure	725 PSI / 50 bar
Maximum RPM	550 RPM
Inlet Port	(2) 1-1/2" Hose Barb
Outlet Ports	(2) 1/2" Hose Barb Valve, 3/4" FPT
Bypass	1" Hose Barb
Dimensions	16"L x 15.5"W x 12.6"H
Weight	51 lbs

Lubrication: Requires 40 oz. of Udor Lube 40W Premium Pump Oil.
Alternate Oil: 30W non-detergent or 15W-40 non-detergent oil.

8700.30CK		6062E8 KIT 650		6062E7 KIT 649		6062D9 KIT 642		606216 KIT 515	
CODE	QTY	CODE	QTY	CODE	QTY	CODE	QTY	CODE	QTY
010201	3	090316	1	090302	3	110101	6	010201	3
030107	3	090361	3	090316	1	600697	6	030107	3
090316	1	110101	6	110101	6				
090361	3								
110101	6								
110142	1								
6063E2	6								



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Part #	Description	Qty
0001.08	RETAINER RING	2
0002.A6	SHAFT TS 2C	1
0003.10	PRESSURE ACCUMULATOR BASE	1
0007.49	OIL SEAL D35	2
0102.01	DIAPHRAGM BOLT "ZETA/KAPPA 121" ●▼	3
0202.72	HOSE BARB D40	1
0206.19	SLEEVE D75 "OMEGA 135/139"	3
0208.21	PRESSURE ACCUMULATOR COVER	1
0208.22	OIL RESERVOIR COVER	1
0209.98	CRANKCASE	1
0214.24	BALL BEARING D35	2
0216.07	ROLLER BEARING D55	1
0301.07	DIAPHRAGM DISC ●▼	3
0301.28	ROD DISC	2
0302.59	ROD SPACER	2
0303.47	HEX NUT M8X8	8
0501.L2	BUSHING FLANGE	1
0604.09	BRASS NUT G1/2	1
0604.50	BARB NUT G1-1/2"	1
0605.09	GASKET D17	2
0605.43	GASKET D17	1
0608.16	AIR VALVE ASSY	1
0608.26	HOSE BARB D13+GASKET	1
0608.45	BALL VALVE RIGHT	1
0608.46	BALL VALVE LEFT	1
0903.02	PISTON DIAPHRAGM BUNA-N 116MM ▲	3
0903.16	ACCUMULATOR DIAPHRAGM ▲◆◆▼	1
0903.61	PISTON DIAPHRAGM GREENTECH 116MM ◆▼	3
1101.01	O-RING - VALVE ▲◆◆▼	6
1101.25	O-RING - ACCUMULATOR	1
1101.42	O-RING - INLET HOSE BARB▼	1
1101.58	O-RING - BEARING FLANGE	1
1101.68	O-RING - OIL RESERVOIR	1
1101.85	O-RING - OIL RESERVOIR	1
1101.G3	O-RING - PLUG	3

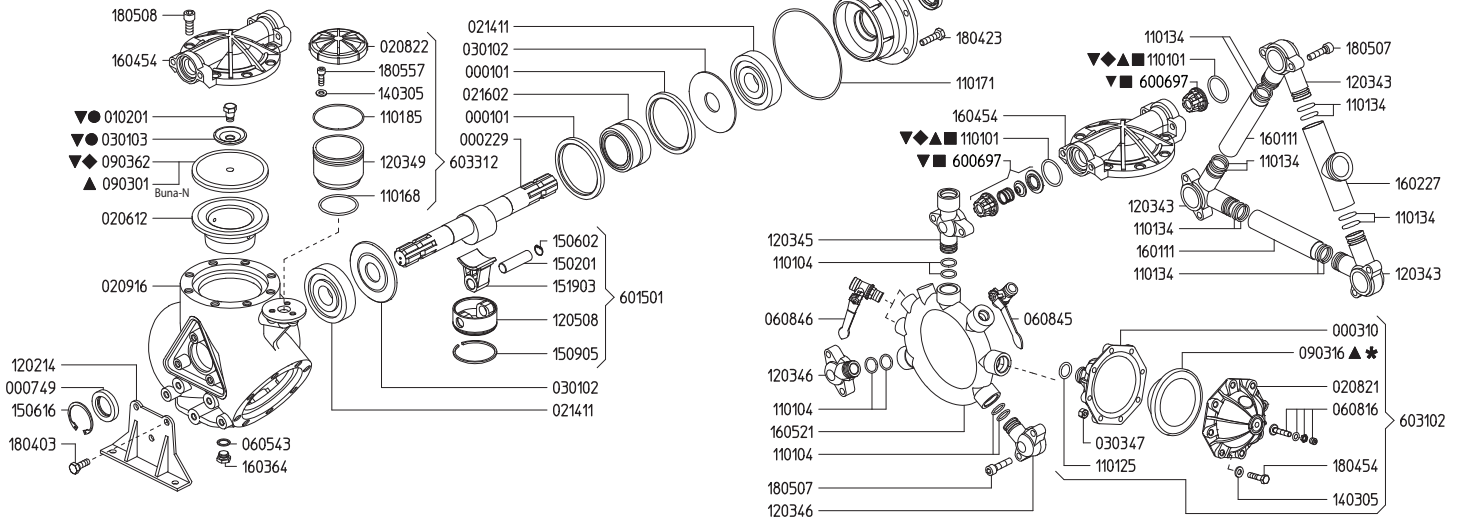
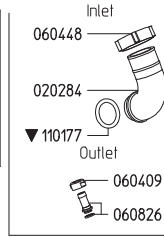
Part #	Description	Qty
1202.87	BASE PLATE	2
1203.49	OIL RESERVOIR	1
1205.08	ALUMINIUM PISTON D75	3
1403.05	WASHER M8	11
1403.49	WASHER M10	38
1406.A4	ELBOW G3/8 M - G3/8 F	2
1502.01	PIN D18X64	3
1506.02	SNAP RING D18	3
1506.16	SNAP RING D55	2
1509.05	PISTON RING D75	3
1519.20	CONNECTING ROD	3
1601.47	SUCTION MANIFOLD	1
1603.64	PLUG G3/8	3
1603.74	PLUG G3/4	3
1604.11	HEAD "BETA-S 135"	3
1605.47	OUTLET MANIFOLD "BETA-S 135"	1
1804.54	HEX BOLT M8X35	8
1804.99	HEX BOLT M10X25	8
1805.25	ALLEN BOLT M10X45	30
1805.57	ALLEN BOLT M8X22	3
6006.97	VALVE ASSEMBLY W/O O-RING ■▼	6
6015.53	ROD ASSEMBLY D75	3
6031.02	PRESSURE ACCUMULATOR ASSEMBLY	1
6033.12	OIL RESERVOIR ASSEMBLY	1
6062.16	DIAPHRAGM BOLT/WASHER KIT (KIT 515)	1
6062.D9	IN/OUTLET VALVE KIT (KIT 642)	1
6062.E7	DIAPHRAGM KIT - BUNA-N (KIT 649)	1
6062.E8	DIAPHRAGM KIT - GREENTECH (KIT 650)	1
8700.30CK	COMPLETE REPAIR KIT	1

● Parts in 6062.16 (Kit 515)
 ■ Parts in 6062.D9 (Kit 642)
 ▲ Parts in 6062.E7 (Kit 649)
 ◆ Parts in 6062.E8 (Kit 650)
 ▼ Parts in 8700.30CK Complete Repair Kit

Maximum Flow	34.0 GPM / 126 lpm
Maximum Pressure	725 PSI / 50 bar
Maximum RPM	550 RPM
Inlet Port	1-1/2" Hose Barb
Outlet Ports	(2) 1/2" Hose Barb Valve, 3/4" FPT
Bypass	1" Hose Barb
Dimensions	16.8"L x 14.9"W x 17.2"H
Weight	120 lbs

Lubrication: Requires 84 oz. of Udor Lube 40W Premium Pump Oil.
Alternate Oil: 30W non-detergent or 15W-40 non-detergent oil.

8700.06CK		870006 KIT 627		606257 KIT 556		6062D9 KIT 642		606260 KIT 559	
CODE	QTY	CODE	QTY	CODE	QTY	CODE	QTY	CODE	QTY
010201	3	090316	1	090301	3	110101	6	010201	3
030103	3	090362	3	090316	1	600697	6	030103	3
090316	3	110101	6	110101	6				
090362	3								
110101	6								
110177	1								
6063E2	6								



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Part #	Description	Qty
0001.01	RETAINER RING "BETA/OMEGA"	2
0002.29	CRANKSHAFT - TS 2C	1
0003.10	PRESSURE ACCUMULATOR BASE	1
0007.49	OIL SEAL D35	2
0102.01	DIAPHRAGM BOLT "ZETA/KAPPA 121" ●▼	3
0202.84	HOSE BARB D40	1
0206.12	SLEEVE D75	3
0208.21	PRESSURE ACCUMULATOR COVER	1
0208.22	OIL RESERVOIR COVER	1
0209.16	CRANKCASE "BETA 110"	1
0214.11	BALL BEARING D35	2
0216.02	ROLLER BEARING D55	1
0301.02	ROD DISC "BETA/OMEGA"	2
0301.03	DIAPHRAGM DISC "BETA/OMEGA" ●▼	3
0303.47	HEX NUT M8X8	8
0501.L4	BUSHING FLANGE "BETA/OMEGA"	1
0604.09	BRASS NUT G1/2	1
0604.48	BRASS NUT M48X2	1
0605.43	GASKET D17	1
0608.16	AIR VALVE ASSY	1
0608.26	HOSE BARB D13+GASKET	3
0608.45	BALL VALVE - RIGHT	1
0608.46	BALL VALVE - LEFT	1
0903.01	PISTON DIAPHRAGM BUNA-N 130MM ▲	3
0903.16	ACCUMULATOR DIAPHRAGM ◆▲▲	1
0903.62	PISTON DIAPHRAGM GREENTECH 130MM ◆▼	3
1101.01	O-RING - VALVE ▲◆◆▼	6
1101.04	O-RING - OUTLET ELBOW	6
1101.25	O-RING - PRESSURE ACCUMULATOR	1
1101.34	O-RING - DISCHARGE MANIFOLD TUBES	12
1101.68	O-RING - OIL RESERVOIR	1
1101.71	O-RING - BUSHING FLANGE	1
1101.77	O-RING - INLET HOSE BARB▼	1
1101.85	O-RING - OIL RESERVOIR	1
1202.14	BASE PLATE "BETA 110/150"	2

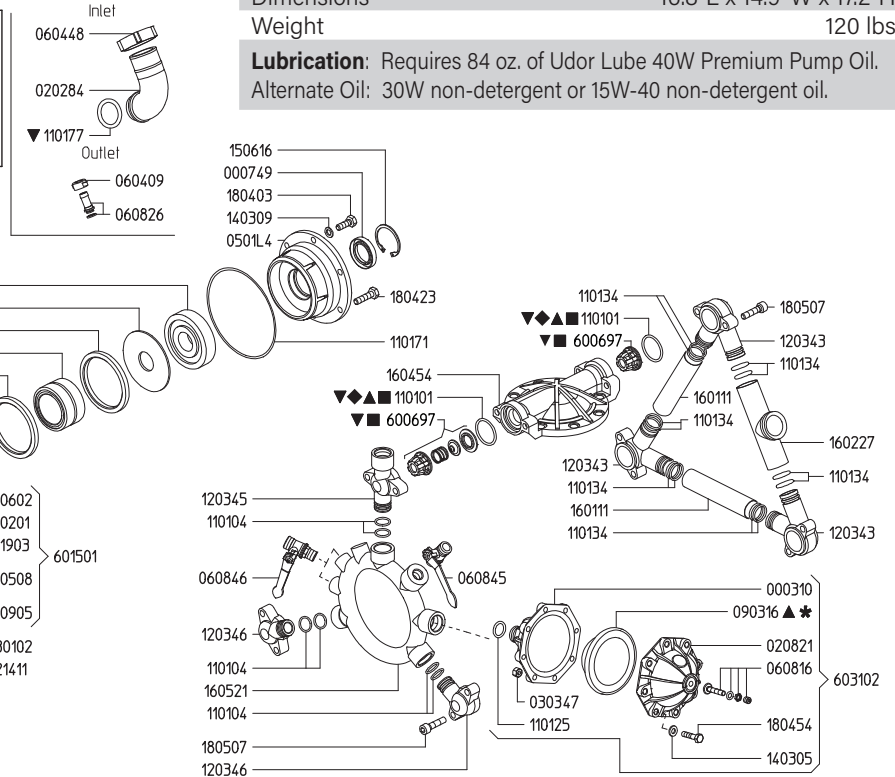
Part #	Description	Qty
1203.43	INLET ELBOW "BETA 110"	4
1203.46	OUTLET ELBOW "BETA"	2
1203.49	OIL RESERVOIR "BETA"	1
1205.08	ALUMINIUM PISTON D75 "BETA/OMEGA/ZETA"	3
1403.05	WASHER M8	11
1403.09	WASHER M10	4
1502.01	PIN D18X64	3
1506.02	SNAP RING D18	3
1506.16	SNAP RING D55	2
1509.05	PISTON RING D75	3
1519.03	CONNECTING ROD "OMEGA/BETA 110/150"	3
1601.11	SUCTION MANIFOLD "BETA 110"	2
1602.27	SUCTION MANIFOLD M48X2 "BETA 110"	1
1603.64	PLUG G3/8	1
1604.54	HEAD "BETA 110/150/200/240"	3
1605.21	OUTLET MANIFOLD "BETA 110"	1
1804.03	HEX BOLT M10X30	10
1804.54	HEX BOLT M8X35	8
1805.07	ALLEN BOLT M10X40	12
1805.57	ALLEN BOLT M8X22	3
1805.08	ALLEN BOLT M12X30	24
6006.97	VALVE ASSEMBLY W/O O-RING ■▼	6
6015.01	ROD ASSEMBLY "OMEGA/BETA" D75	3
6031.02	PRESSURE ACCUMULATOR ASSY "BETA"	1
6033.12	OIL RESERVOIR ASSY "BETA"	1
6062.57	DIAPHRAGM KIT BUNA-N 130MM (KIT 556)	1
6062.60	DIAPHRAGM DISC "BETA 110" (KIT 559)	1
6062.D9	IN/OUTLET VALVE KIT "BETA 110" (KIT 642)	1
8700.06	DIAPHRAGM KIT GREENTECH 130MM (KIT 627)	1
8700.06CK	COMPLETE REPAIR KIT	1

● Parts in 6062.57 (Kit 556)
 ■ Parts in 6062.60 (Kit 559)
 ▲ Parts in 6062.D9 (Kit 642)
 ◆ Parts in 8700.06 (Kit 627)
 ▼ Parts in 8700.06 (Complete Repair Kit)

Maximum Flow	34.0 GPM / 126 lpm
Maximum Pressure	725 PSI / 50 bar
Maximum RPM	550 RPM
Inlet Port	1-1/2" Hose Barb
Outlet Ports	(2) 1/2" Hose Barb Valve, 3/4" FPT
Bypass	1" Hose Barb
Dimensions	16.8"L x 14.9"W x 17.2"H
Weight	120 lbs

Lubrication: Requires 84 oz. of Udor Lube 40W Premium Pump Oil.
Alternate Oil: 30W non-detergent or 15W-40 non-detergent oil.

8700.06CK		870006 KIT 627		606257 KIT 556		6062D9 KIT 642		606260 KIT 559	
CODE	QTY	CODE	QTY	CODE	QTY	CODE	QTY	CODE	QTY
010201	3	090316	1	090301	3	110101	6	010201	3
030103	3	090362	3	090316	1	600697	6	030103	3
090362	3	110101	6	110101	6				
110101	6								
110177	1								
6063E2	6								



Revised 12-14-2022

Part #	Description	Qty
0001.01	RETAINER RING "BETA/OMEGA"	2
0002.29	CRANKSHAFT - TS 2C	1
0003.10	PRESSURE ACCUMULATOR BASE	1
0007.49	OIL SEAL D35	2
0102.01	DIAPHRAGM BOLT "ZETA/KAPPA 121" ●▼	3
0202.84	HOSE BARB D40	1
0206.12	SLEEVE D75	3
0208.21	PRESSURE ACCUMULATOR COVER	1
0208.22	OIL RESERVOIR COVER	1
0209.16	CRANKCASE "BETA 110"	1
0214.11	BALL BEARING D35	2
0216.02	ROLLER BEARING D55	1
0301.02	ROD DISC "BETA/OMEGA"	2
0301.03	DIAPHRAGM DISC "BETA/OMEGA" ●▼	3
0303.47	HEX NUT M8X8	8
0501.L4	BUSHING FLANGE "BETA/OMEGA"	1
0604.09	BRASS NUT G1/2	1
0604.48	BRASS NUT M48X2	1
0605.43	GASKET D17	1
0608.16	AIR VALVE ASSY	1
0608.26	HOSE BARB D13+GASKET	3
0608.45	BALL VALVE - RIGHT	1
0608.46	BALL VALVE - LEFT	1
0903.01	PISTON DIAPHRAGM BUNA-N 130MM ▲	3
0903.16	ACCUMULATOR DIAPHRAGM ◆▲▲	1
0903.62	PISTON DIAPHRAGM GREENTECH 130MM ◆▼	3
1101.01	O-RING - VALVE ▲◆◆▼	6
1101.04	O-RING - OUTLET ELBOW	6
1101.25	O-RING - PRESSURE ACCUMULATOR	1
1101.34	O-RING - DISCHARGE MANIFOLD TUBES	12
1101.68	O-RING - OIL RESERVOIR	1
1101.71	O-RING - BUSHING FLANGE	1
1101.77	O-RING - INLET HOSE BARB▼	1
1101.85	O-RING - OIL RESERVOIR	1
1202.14	BASE PLATE "BETA 110/150"	2

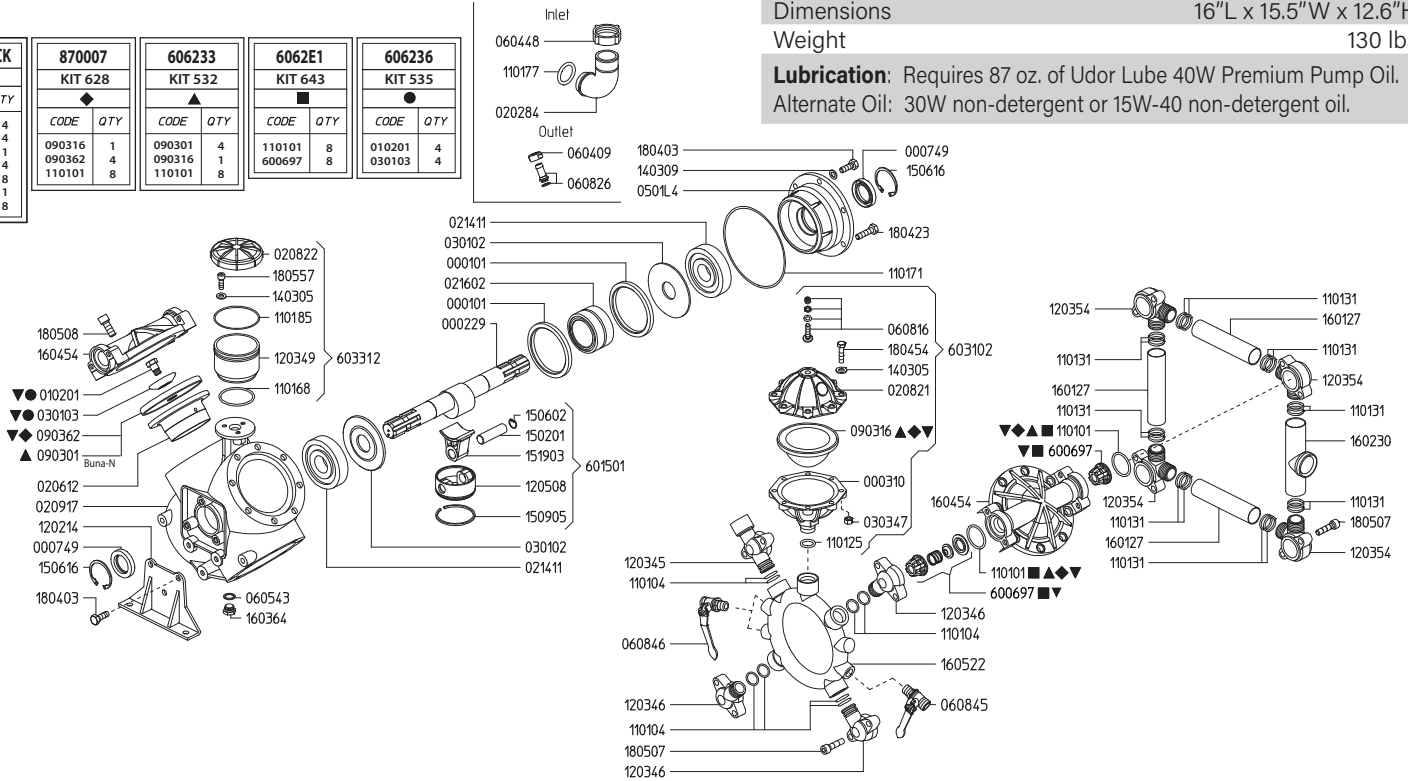
Part #	Description	Qty
1203.43	INLET ELBOW "BETA 110"	4
1203.46	OUTLET ELBOW "BETA"	2
1203.49	OIL RESERVOIR "BETA"	1
1205.08	ALUMINIUM PISTON D75 "BETA/OMEGA/ZETA"	3
1403.05	WASHER M8	11
1403.09	WASHER M10	4
1502.01	PIN D18X64	3
1506.02	SNAP RING D18	3
1506.16	SNAP RING D55	2
1509.05	PISTON RING D75	3
1519.03	CONNECTING ROD "OMEGA/BETA 110/150"	3
1601.11	SUCTION MANIFOLD "BETA 110"	2
1602.27	SUCTION MANIFOLD M48X2 "BETA 110"	1
1603.64	PLUG G3/8	1
1604.54	HEAD "BETA 110/150/200/240"	3
1605.21	OUTLET MANIFOLD "BETA 110"	1
1804.03	HEX BOLT M10X30	10
1804.54	HEX BOLT M8X35	8
1805.07	ALLEN BOLT M10X40	12
1805.57	ALLEN BOLT M8X22	3
1805.08	ALLEN BOLT M12X30	24
6006.97	VALVE ASSEMBLY W/O O-RING ■▼	6
6015.01	ROD ASSEMBLY "OMEGA/BETA" D75	3
6031.02	PRESSURE ACCUMULATOR ASSY "BETA"	1
6033.12	OIL RESERVOIR ASSY "BETA"	1
6062.57	DIAPHRAGM KIT BUNA-N 130MM (KIT 556)	1
6062.60	DIAPHRAGM DISC "BETA 110" (KIT 559)	1
6062.D9	IN/OUTLET VALVE KIT "BETA 110" (KIT 642)	1
8700.06	DIAPHRAGM KIT GREENTECH 130MM (KIT 627)	1
8700.06CK	COMPLETE REPAIR KIT	1

● Parts in 6062.57 (Kit 556)
 ■ Parts in 6062.60 (Kit 559)
 ▲ Parts in 6062.D9 (Kit 642)
 ◆ Parts in 8700.06 (Kit 627)
 ▼ Parts in 8700.06 (Complete Repair Kit)

Maximum Flow	45.0 GPM / 170 lpm
Maximum Pressure	725 PSI / 50 bar
Maximum RPM	550 RPM
Inlet Port	1-1/2" Hose Barb
Outlet Ports	(2) 1/2" Hose Barb Valve, 3/4" FPT
Bypass	1" Hose Barb
Dimensions	16"L x 15.5"W x 12.6"H
Weight	130 lbs

Lubrication: Requires 87 oz. of Udor Lube 40W Premium Pump Oil.
 Alternate Oil: 30W non-detergent or 15W-40 non-detergent oil.

8700.07CK		870007 KIT 628		606233 KIT 532		6062E1 KIT 643		606236 KIT 535	
CODE	QTY	CODE	QTY	CODE	QTY	CODE	QTY	CODE	QTY
010201	4	090316	1	090301	4	110101	8	010201	4
030103	4	090362	4	090316	1	600697	8	030103	4
090316	1	110101	8	110101	8				
090362	4								
110101	8								
110142	1								
6063E2	8								



Revised 2-25-2022

Part #	Description	Qty
0001.01	RETAINER RING "BETA/OMEGA"	2
0002.29	CRANKSHAFT - TS 2C	1
0003.10	PRESSURE ACCUMULATOR BASE	1
0007.49	OIL SEAL D35	2
0102.01	DIAPHRAGM BOLT "ZETA/KAPPA 121" ●▼	4
0202.84	HOSE BARB D40	1
0206.12	SLEEVE D75	4
0208.21	PRESSURE ACCUMULATOR COVER	1
0208.22	OIL RESERVOIR COVER	1
0209.17	CRANKCASE "BETA 150/OMEGA 170"	1
0214.11	BALL BEARING D35	2
0216.02	ROLLER BEARING D55	1
0301.02	ROD DISC "BETA/OMEGA"	2
0301.03	DIAPHRAGM DISC "BETA/OMEGA" ●▼	4
0303.47	HEX NUT M8X8	8
0501.L4	BUSHING FLANGE "BETA/OMEGA"	1
0604.09	BRASS NUT G1/2	1
0604.48	BRASS NUT M48X2	1
0605.43	GASKET D17	1
0608.16	AIR VALVE ASSY	1
0608.26	HOSE BARB D13+GASKET	1
0608.45	BALL VALVE RIGHT	1
0608.46	BALL VALVE LEFT	1
0903.01	PISTON DIAPHRAGM 130MM BUNA-N ▲	4
0903.16	ACCUMULATOR DIAPHRAGM ▼◆▲	1
0903.62	PISTON DIAPHRAGM 130MM GREENTECH ◆▼	4
1101.01	O-RING - VALVE ▲◆■▼	8
1101.04	O-RING - DISCHARGE ELBOWS	8
1101.25	O-RING - PRESSURE ACCUMULATOR	1
1101.31	O-RING - INLET MANIFOLD TUBES	16
1101.68	O-RING - OIL RESERVOIR	1
1101.71	O-RING - BUSHING FLANGE	1
1101.77	O-RING - INLET HOSE BARB▼	1
1101.85	O-RING - OIL RESERVOIR	1
1202.14	BASE PLATE "BETA 110/150"	2
1203.45	OUTLET ELBOW "BETA"	1

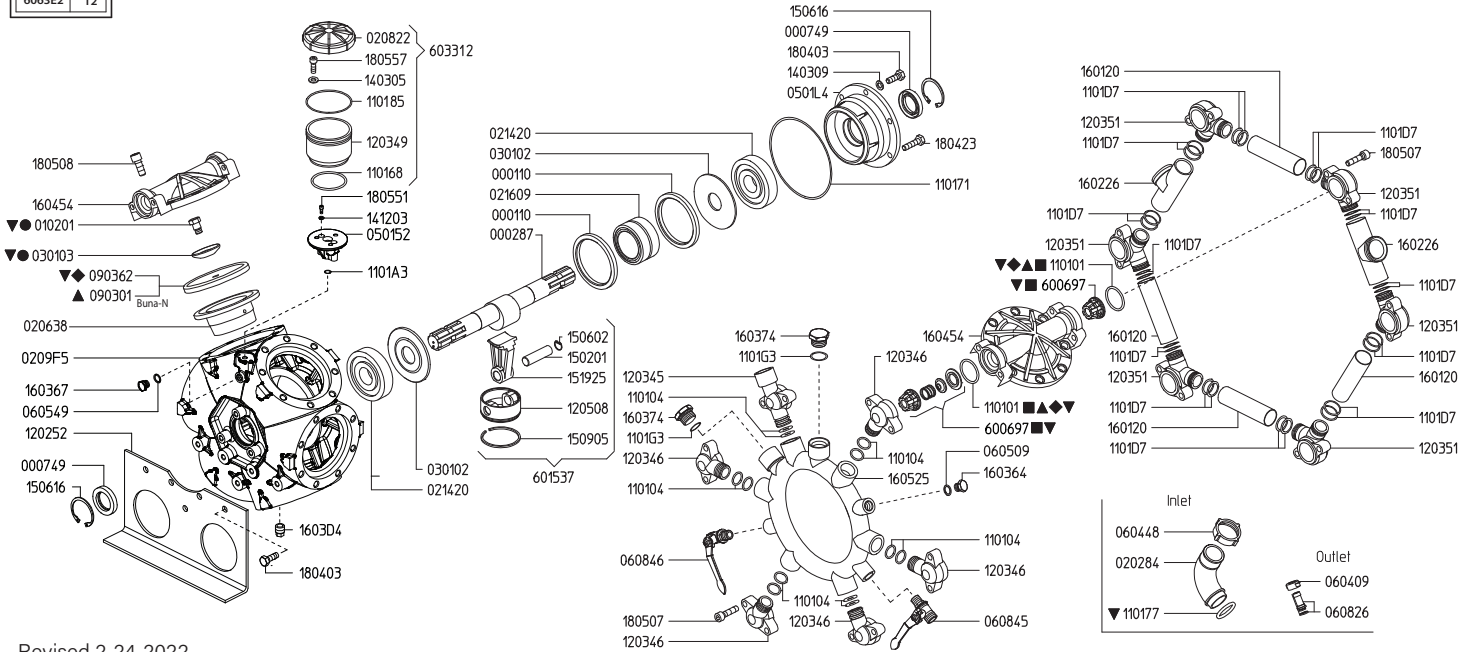
Part #	Description	Qty
1203.46	OUTLET ELBOW "BETA"	3
1203.49	OIL RESERVOIR "BETA"	1
1203.54	INLET ELBOW "BETA 150"	4
1205.08	ALUMINIUM PISTON D75 "BETA/OMEGA/ZETA"	4
1403.05	WASHER M8	11
1403.09	WASHER M10	6
1502.01	PIN D18X64	4
1506.02	SNAP RING D18	4
1506.16	SNAP RING D55	2
1509.05	PISTON RING D75	4
1519.03	CONNECTING ROD "OMEGA/BETA 110/150"	4
1601.27	SUCTION MANIFOLD "BETA 150"	3
1602.30	SUCTION MANIFOLD M48X2 "BETA 150"	1
1603.64	PLUG G3/8	1
1604.54	HEAD "BETA 110/150/200/240"	4
1605.22	OUTLET MANIFOLD	1
1804.03	HEX BOLT M10X30	10
1804.23	HEX BOLT M10X40	2
1804.54	HEX BOLT M12X50	8
1805.07	ALLEN BOLT M10X40	16
1805.08	ALLEN BOLT M12X30	32
1805.57	ALLEN BOLT M8X22	3
6006.97	VALVE ASSEMBLY W/O O-RING ■▼	8
6015.01	ROD ASSEMBLY "OMEGA/BETA" D75	4
6031.02	PRESSURE ACCUMULATOR ASSEMBLY	1
6033.02	OIL RESERVOIR ASSEMBLY	1
6062.33	DIAPHRAGM KIT 130MM BUNA-N (KIT 532)	1
6062.36	DIAPHRAGM DISC "BETA 150" (KIT 535)	1
6062.E1	IN/OUTLET VALVE KIT "BETA 150" (KIT 643)	1
8700.07	DIAPHRAGM KIT 130MM GREENTECH (KIT 628)	1
8700.07CK	COMPLETE REPAIR KIT	1

- Parts in 6062.33 (Kit 532)
- Parts in 6062.36 (Kit 535)
- ▲ Parts in 6062.E1 (Kit 643)
- ◆ Parts in 8700.07 (Kit 628)
- ▼ Parts in 8700.07CK (Complete Repair Kit)

Maximum Flow	56.0 GPM / 218 lpm
Maximum Pressure	725 PSI / 50 bar
Maximum RPM	550 RPM
Inlet Port	(2) 1-1/2" Hose Barb
Outlet Ports	(2) 1/2" Hose Barb Valve, 3/4" FPT
Bypass	1-1/2" Hose Barb
Dimensions	16.1"L x 15.3"W x 19.7"H
Weight	200 lbs

Lubrication: Requires 160 oz. of Udor Lube 40W Premium Pump Oil.
Alternate Oil: 30W non-detergent or 15W-40 non-detergent oil.

8700.55CK		6062C7 KIT 631		6062E1 KIT 560		6062E2 KIT 644		6062E4 KIT 563	
CODE	QTY	CODE	QTY	CODE	QTY	CODE	QTY	CODE	QTY
010201	6	090362	6	090301	6	110101	12	010201	6
030103	6	110101	12	110101	12	600697	12	030103	6
090362	6								
110101	12								
110177	1								
6063E2	12								



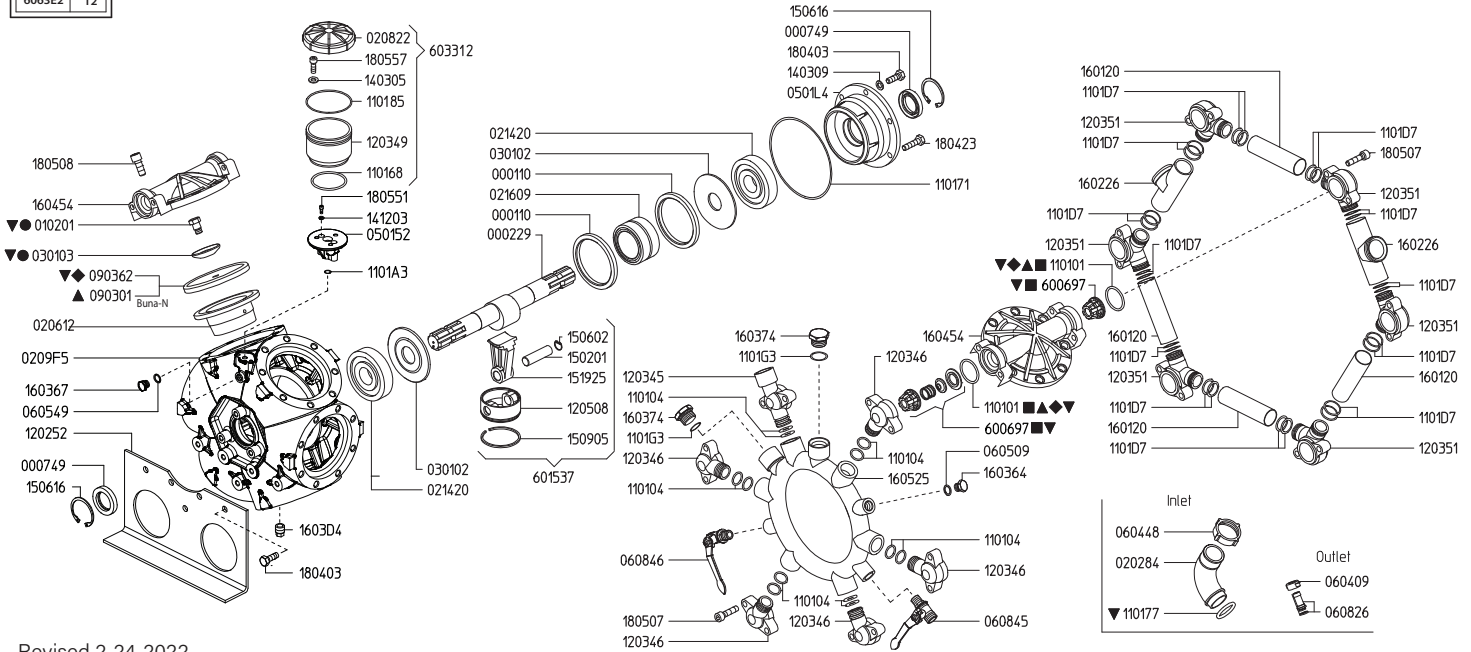
Revised 2-24-2022

Part #	Description	Qty	Part #	Description	Qty
0001.10	RETAINER RING "ZETA 200/300/400"	2	1205.08	ALUMINIUM PISTON D75 "BETA/OMEGA/ZETA"	6
0002.87	CRANKSHAFT TS 2C	1	1403.05	WASHER M8	3
0007.49	OIL SEAL D35	2	1403.09	WASHER M10	4
0102.01	DIAPHRAGM BOLT "ZETA/KAPPA 121" ●▼	6	1412.03	BONDED WASHER D6.7	2
0202.84	HOSE BARB D40	2	1502.01	PIN D18X64	6
0206.38	SLEEVE D75	6	1506.02	SNAP RING D18	6
0208.22	OIL RESERVOIR COVER	1	1506.16	SNAP RING D55	2
0209.F5	CRANKCASE "BETA 200/240"	1	1509.05	PISTON RING D75	6
0214.20	BALL BEARING D35	2	1519.25	CONNECTING ROD "ZETA 350/400/BETA 200"	6
0216.09	ROLLER BEARING D55	1	1601.20	SUCTION MANIFOLD "BETA 200/240"	4
0301.02	ROD DISC "BETA/OMEGA"	2	1602.26	SUCTION MANIFOLD M48X2 "BETA 200/240"	2
0301.03	DIAPHRAGM DISC "BETA/OMEGA" ●▼	6	1603.44	PLUG G3/8	1
0501.52	OIL CUP SUPPORT FLANGE "BETA 200/240"	1	1603.64	PLUG G3/8	1
0501.L4	BUSHING FLANGE "BETA/OMEGA"	1	1603.67	PLUG G1/4	1
0604.09	BRASS NUT G1/2	3	1603.74	PLUG G3/4	2
0604.48	BRASS NUT M48X2	1	1604.54	HEAD "BETA 110/150/200/240"	6
0605.09	GASKET D17	1	1605.25	OUTLET MANIFOLD "BETA 200/240"	1
0605.49	GASKET D13	1	1804.03	HEX BOLT M10X30	12
0608.26	HOSE BARB D13+GASKET	3	1804.23	HEX BOLT M10X40	2
0608.45	BALL VALVE RIGHT	2	1805.07	ALLEN BOLT M10X40	24
0608.46	BALL VALVE LEFT	1	1805.08	ALLEN BOLT M12X30	48
0903.01	PISTON DIAPHRAGM BUNA-N 130MM ▲	6	1805.51	ALLEN BOLT M6X40	2
0903.62	PISTON DIAPHRAGM GREENTECH 130MM ▼	6	1805.57	ALLEN BOLT M8X22	3
1101.01	O-RING - VALVE ▲◆■▼	12	6006.97	VALVE ASSEMBLY W/O O-RING ■▼	12
1101.04	O-RING - DISCHARGE ELBOWS	12	6015.37	ROD ASSEMBLY D75	6
1101.68	O-RING - OIL RESERVOIR	1	6033.12	OIL RESERVOIR ASSEMBLY	1
1101.71	O-RING - BUSHING FLANGE	1	6062.61	DIAPHRAGM KIT BUNA-N 130MM (KIT 560)	1
1101.77	O-RING - INLET HOSE BARB ▼	2	6062.64	DIAPHRAGM BOLT / WASHER KIT (KIT 563)	1
1101.A3	O-RING - OIL CUP SUPPORT FLANGE	1	6062.C7	DIAPHRAGM KIT GREENTECH 130MM (KIT 631)	1
1101.85	O-RING - OIL RESERVOIR	1	6062.E2	IN/OUTLET VALVE KIT (KIT 644)	1
1101.D7	O-RING - INLET ELBOWS / TUBES	24	8700.55CK	COMPLETE REPAIR KIT	1
1101.G3	O-RING - PLUG	2	●	Parts in 6062.61 (Kit 560)	
1202.52	BASE PLATE "BETA 200/240"	2	■	Parts in 6062.64 (Kit 563)	
1203.45	OUTLET ELBOW "BETA"	1	▲	Parts in 6062.C7 (Kit 631)	
1203.46	OUTLET ELBOW "BETA"	5	◆	Parts in 6062.E2 (Kit 644)	
1203.49	OIL RESERVOIR	1	▼	Parts in 8700.55CK (Complete Repair Kit)	
1203.51	INLET ELBOW "BETA 200/240"	6			

Maximum Flow	64.0 GPM / 243 lpm
Maximum Pressure	725 PSI / 50 bar
Maximum RPM	550 RPM
Inlet Port	(2) 1-1/2" Hose Barb
Outlet Ports	(2) 1/2" Hose Barb Valve, 3/4" FPT
Bypass	1-1/2" Hose Barb
Dimensions	16.1"L x 15.3"W x 19.7"H
Weight	200 lbs

Lubrication: Requires 160 oz. of Udor Lube 40W Premium Pump Oil.
Alternate Oil: 30W non-detergent or 15W-40 non-detergent oil.

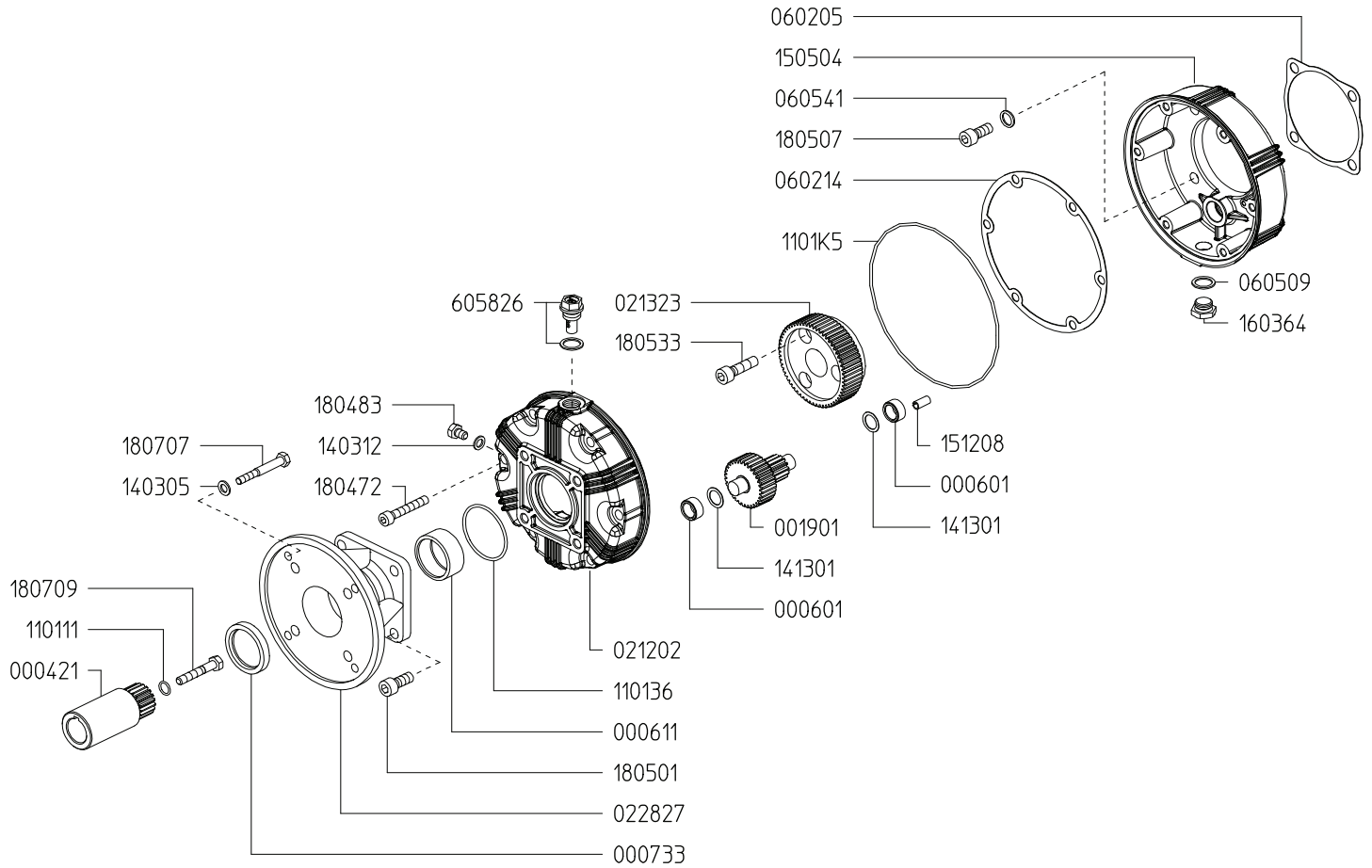
8700.55CK		6062C7 KIT 631		6062E1 KIT 560		6062E2 KIT 644		6062E4 KIT 563	
CODE	QTY	CODE	QTY	CODE	QTY	CODE	QTY	CODE	QTY
010201	6	090362	6	090301	6	110101	12	010201	6
030103	6	110101	12	110101	12	600697	12	030103	6
090362	6								
110101	12								
110177	1								
6063E2	12								



Revised 2-24-2022

Part #	Description	Qty	Part #	Description	Qty
0001.10	RETAINER RING "ZETA 200/300/400"	2	1205.08	ALUMINIUM PISTON D75 "BETA/OMEGA/ZETA"	6
0002.29	CRANKSHAFT TS 2C	1	1403.05	WASHER M8	3
0007.49	OIL SEAL D35	2	1403.09	WASHER M10	4
0102.01	DIAPHRAGM BOLT "ZETA/KAPPA 121" ●▼	6	1412.03	BONDED WASHER D6.7	2
0202.84	HOSE BARB D40	2	1502.01	PIN D18X64	6
0206.12	SLEEVE D75	6	1506.02	SNAP RING D18	6
0208.22	OIL RESERVOIR COVER	1	1506.16	SNAP RING D55	2
0209.F5	CRANKCASE "BETA 200/240"	1	1509.05	PISTON RING D75	6
0214.20	BALL BEARING D35	2	1519.25	CONNECTING ROD "ZETA 350/400/BETA 200"	6
0216.09	ROLLER BEARING D55	1	1601.20	SUCTION MANIFOLD "BETA 200/240"	4
0301.02	ROD DISC "BETA/OMEGA"	2	1602.26	SUCTION MANIFOLD M48X2 "BETA 200/240"	2
0301.03	DIAPHRAGM DISC "BETA/OMEGA" ●▼	6	1603.44	PLUG G3/8	1
0501.52	OIL CUP SUPPORT FLANGE "BETA 200/240"	1	1603.64	PLUG G3/8	1
0501.L4	BUSHING FLANGE "BETA/OMEGA"	1	1603.67	PLUG G1/4	1
0604.09	BRASS NUT G1/2	3	1603.74	PLUG G3/4	2
0604.48	BRASS NUT M48X2	1	1604.54	HEAD "BETA 110/150/200/240"	6
0605.09	GASKET D17	1	1605.25	OUTLET MANIFOLD "BETA 200/240"	1
0605.49	GASKET D13	1	1804.03	HEX BOLT M10X30	12
0608.26	HOSE BARB D13+GASKET	3	1804.23	HEX BOLT M10X40	2
0608.45	BALL VALVE RIGHT	2	1805.07	ALLEN BOLT M10X40	24
0608.46	BALL VALVE LEFT	1	1805.08	ALLEN BOLT M12X30	48
0903.01	PISTON DIAPHRAGM BUNA-N 130MM ▲	6	1805.51	ALLEN BOLT M6X40	2
0903.62	PISTON DIAPHRAGM GREENTECH 130MM ▼	6	1805.57	ALLEN BOLT M8X22	3
1101.01	O-RING - VALVE ▲◆◆▼	12	6006.97	VALVE ASSEMBLY W/O O-RING ■▼	12
1101.04	O-RING - DISCHARGE ELBOWS	12	6015.37	ROD ASSEMBLY D75	6
1101.68	O-RING - OIL RESERVOIR	1	6033.12	OIL RESERVOIR ASSEMBLY	1
1101.71	O-RING - BUSHING FLANGE	1	6062.61	DIAPHRAGM KIT BUNA-N 130MM (KIT 560)	1
1101.77	O-RING - INLET HOSE BARB ▼	2	6062.64	DIAPHRAGM BOLT / WASHER KIT (KIT 563)	1
1101.A3	O-RING - OIL CUP SUPPORT FLANGE	1	6062.C7	DIAPHRAGM KIT GREENTECH 130MM (KIT 631)	1
1101.85	O-RING - OIL RESERVOIR	1	6062.E2	IN/OUTLET VALVE KIT (KIT 644)	1
1101.D7	O-RING - INLET ELBOWS / TUBES	24	8700.55CK	COMPLETE REPAIR KIT	1
1101.G3	O-RING - PLUG	2		● Parts in 6062.61 (Kit 560)	
1202.52	BASE PLATE "BETA 200/240"	2		■ Parts in 6062.64 (Kit 563)	
1203.45	OUTLET ELBOW "BETA"	1		▲ Parts in 6062.C7 (Kit 631)	
1203.46	OUTLET ELBOW "BETA"	5		◆ Parts in 6062.E2 (Kit 644)	
1203.49	OIL RESERVOIR	1		▼ Parts in 8700.55CK (Complete Repair Kit)	
1203.51	INLET ELBOW "BETA 200/240"	6			

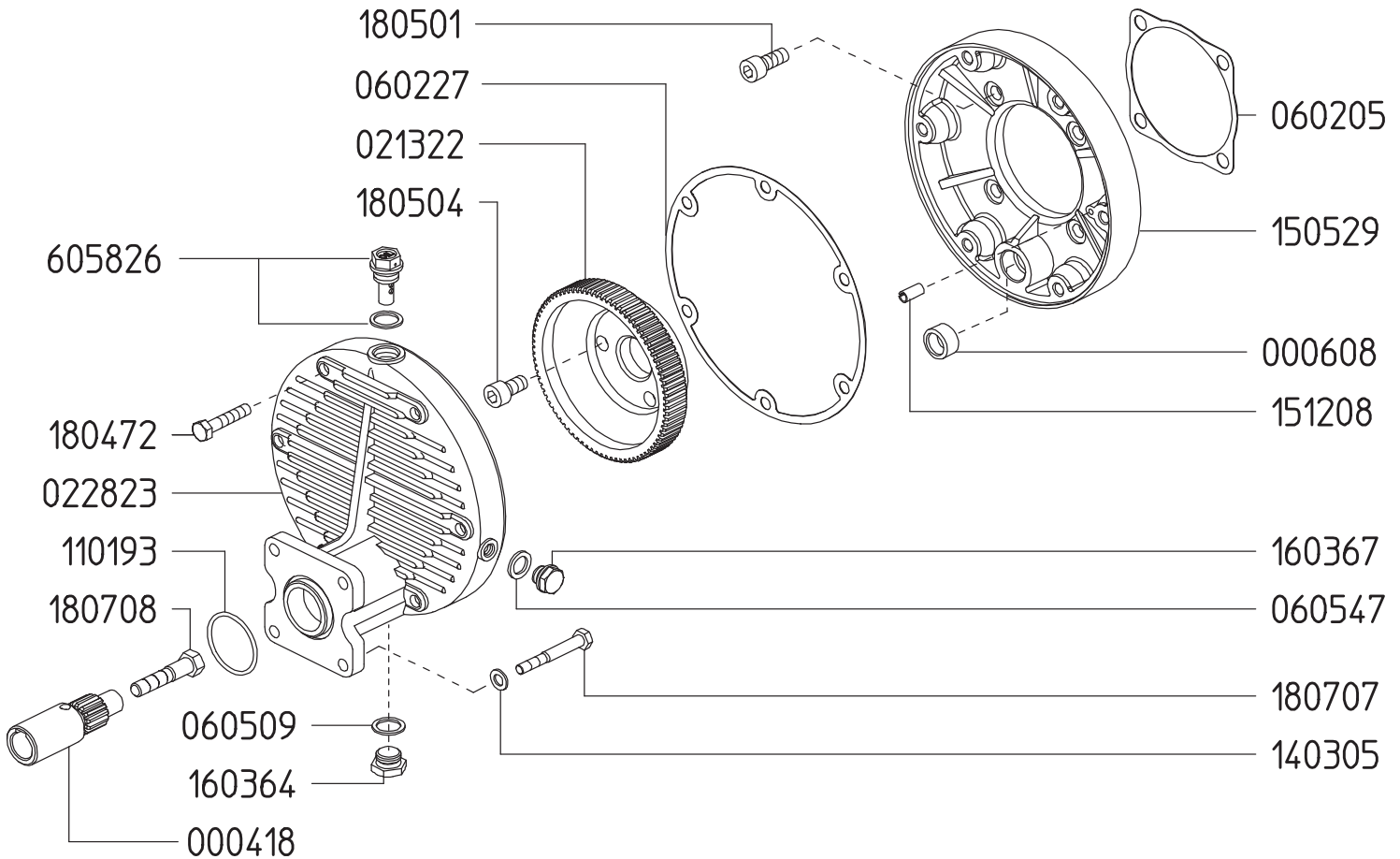
**GAS ENGINE GEAR REDUCTION FOR
KAPPA-55/75, DELTA-75, ZETA-120 DIAPHRAGM PUMPS
on GAS ENGINES with 1" SHAFTS
REQUIRES 17.25 OZ. 90W GEAR LUBE**



Revised 3-8-2023

Part #	Description	Qty	Part #	Description	Qty
0004.21	GEAR SHAFT "S164-1"	1	1403.05	WASHER D8.4	4
0006.01	BUSHING D15	2	1403.12	GASKET D8.5	1
0006.11	BUSHING D40	1	1413.01	WASHER D15	2
0007.33	OIL SEAL D40	1	1505.04	GEAR BODY "S164"	1
0019.01	GEAR SHAFT "S164"	1	1512.08	PLUG D4X16	1
0212.02	REDUCER COVER "S164"	1	1603.64	PLUG G3/8	1
0213.23	RED. GEAR WHEEL Z=60 "S164"	1	1804.72	HEX BOLT M8X50	6
0228.27	COUPLER "S164-VA"	1	1804.83	HEX BOLT M8X12	1
0602.05	GASKET	1	1805.01	ALLEN BOLT M10X25	4
0602.14	GASKET "S164"	1	1805.07	ALLEN BOLT M10X40	4
0605.09	GASKET D17	1	1805.33	ALLEN BOLT M10X35	3
0605.41	GASKET D10	4	1807.07	HEX BOLT 5/16X1" UNF	4
1101.11	O-RING - GEAR SHAFT	1	1807.09	HEX BOLT 5/16X2-1/4" UNF	1
1101.36	O-RING - BUSHING	1	6058.26	OIL PLUG G3/8	1
1101.K5	O-RING - GEAR CASE	1			

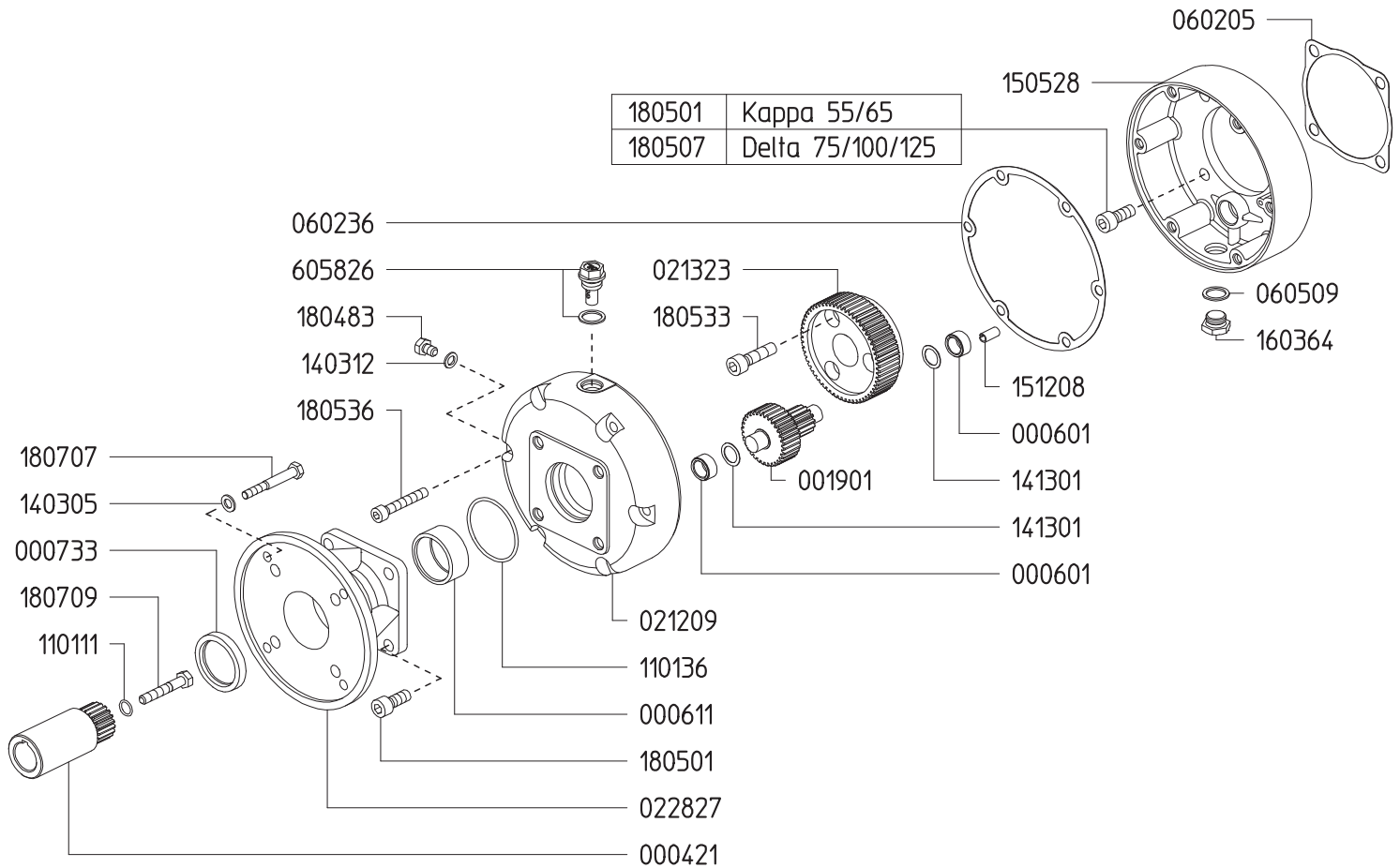
**GAS ENGINE GEAR REDUCTION FOR
KAPPA-55, ZETA-40/85/120 DIAPHRAGM PUMPS
on GAS ENGINES with 3/4" SHAFTS
REQUIRES 16 OZ. 90W GEAR LUBE**



Revised 5-1-2020

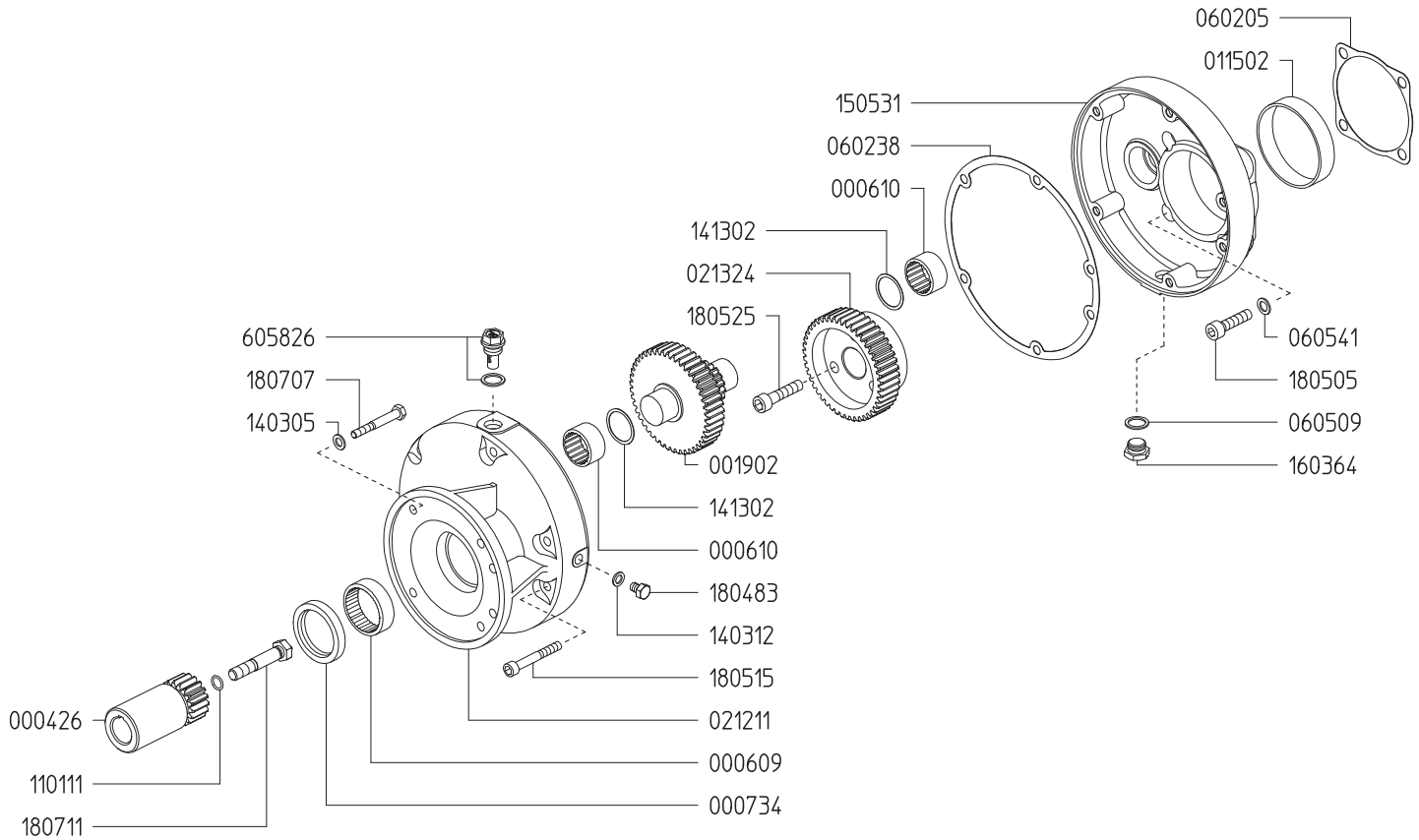
Part #	Description	Qty	Part #	Description	Qty
0004.18	GEAR SHAFT - 3/4"	1	1505.29	GEAR CASE - PUMP	1
0006.08	BEARING	1	1512.08	ALIGNMENT PIN	1
0213.22	PUMP GEAR - VA	1	1603.64	OIL PLUG G3/8	1
0228.23	GEAR CASE - ENGINE	1	1603.67	OIL PLUG G1/4	1
0602.05	GASKET	1	1804.72	HEX BOLT M8X50	6
0602.27	GASKET	1	1805.01	ALLEN BOLT M10X25	4
0605.09	GASKET - ALUMINUM	1	1805.04	ALLEN BOLT M10X20	3
0605.47	GASKET - ALUMINUM	1	1807.07	HEX BOLT 5/16 X 1"	4
1101.93	O-RING	1	1807.08	HEX BOLT 5/16 X 2-1/4"	1
1403.05	WASHER	4	6058.26	VENTED OIL CAP	1

**GAS ENGINE GEAR REDUCTION FOR
KAPPA-55/75, DELTA-75, ZETA-120 DIAPHRAGM PUMPS
on GAS ENGINES with 1" SHAFTS
REQUIRES 17.25 OZ. 90W GEAR LUBE**



Part #	Description	Qty	Part #	Description	Qty
0004.21	GEAR SHAFT "M164-1"	1	1413.01	WASHER D15	2
0006.01	BUSHING D15	2	1505.28	GEAR BODY "M164"	1
0006.11	BUSHING D40	1	1512.08	PLUG D4X16 UNI1707	1
0007.33	OIL SEAL D40	1	1603.64	PLUG G3/8	1
0019.01	GEAR SHAFT "M164"	1	1804.83	HEX BOLT M8X12	1
0212.09	REDUCER COVER "M164"	1	1805.01	ALLEN BOLT M10X25	4
0213.23	RED. GEAR WHEEL Z=60 "M164"	1	1805.01	ALLEN BOLT M10X25	4
0228.27	COUPLER "M164-VA"	1	1805.07	ALLEN BOLT M10X40	4
0602.05	GASKET	1	1805.12	ALLEN BOLT M10X50	1
0602.36	GASKET "M164"	1	1805.33	ALLEN BOLT M10X35	3
0605.09	GASKET D17	1	1805.36	ALLEN BOLT M8X50	6
1101.11	O-RING - GEAR SHAFT	1	1807.07	HEX BOLT 5/16X1" UNF	4
1101.36	O-RING - BUSHING	1	1807.09	HEX BOLT 5/16X2-1/4" UNF	1
1403.05	WASHER D8.4	4	6058.26	OIL PLUG G3/8	1
1403.12	GASKET D8.5	1			

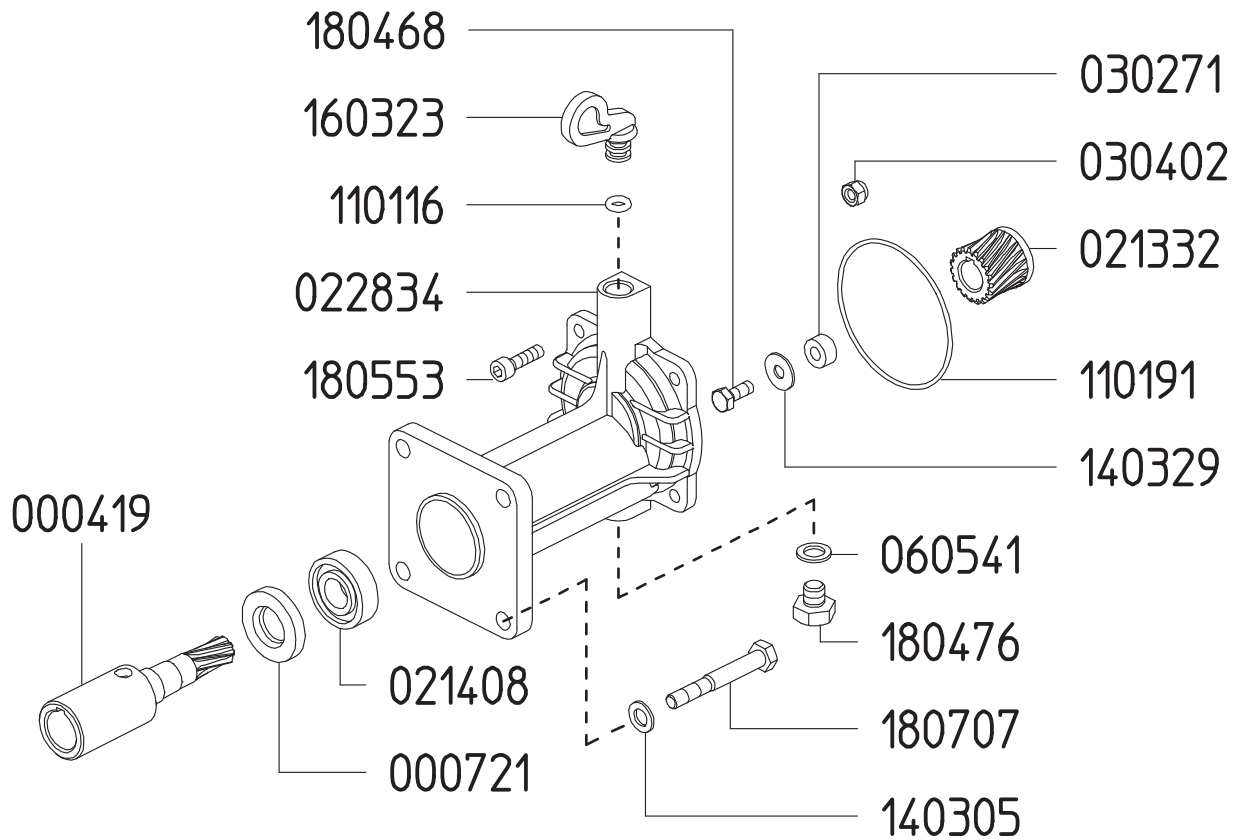
**GAS ENGINE GEAR REDUCTION FOR
DELTA-100/KAPPA-121 DIAPHRAGM PUMPS
on GAS ENGINES with 1" SHAFTS
REQUIRES 28 OZ. 90W GEAR LUBE**



Part #	Description	Qty
0004.26	GEAR SHAFT "M162-1"VA"	1
0006.09	BUSHING D45	1
0006.10	BUSHING D30	2
0007.34	OIL SEAT D45	1
0019.02	GEAR SHAFT "M162"	1
0115.02	BUSHING D80 GLY	1
0212.11	REDUCER COVER "M162"	1
0213.24	RED.GEAR WHEEL Z=45 "M162-VA"	1
0602.05	GASKET	1
0602.38	GASKET "M162"	1
0605.09	GASKET D17	1
0605.41	GASKET D10	4
1101.11	O-RING - GEAR SHAFT	1

Part #	Description	Qty
1403.05	WASHER D8.4	4
1403.12	GASKET D8.5	1
1413.02	WASHER D30	2
1505.31	GEAR BODY "M162"	1
1603.64	PLUG G3/8	1
1804.83	HEX BOLT M8X12	1
1805.05	ALLEN BOLT M10X30	4
1805.15	ALLEN BOLT M8X60	6
1805.25	ALLEN BOLT M10X45	3
1807.07	HEX BOLT 5/16X1" UNF	4
1807.11	HEX BOLT 7/16"X2" UNF	1
6058.26	OIL PLUG G3/8	1

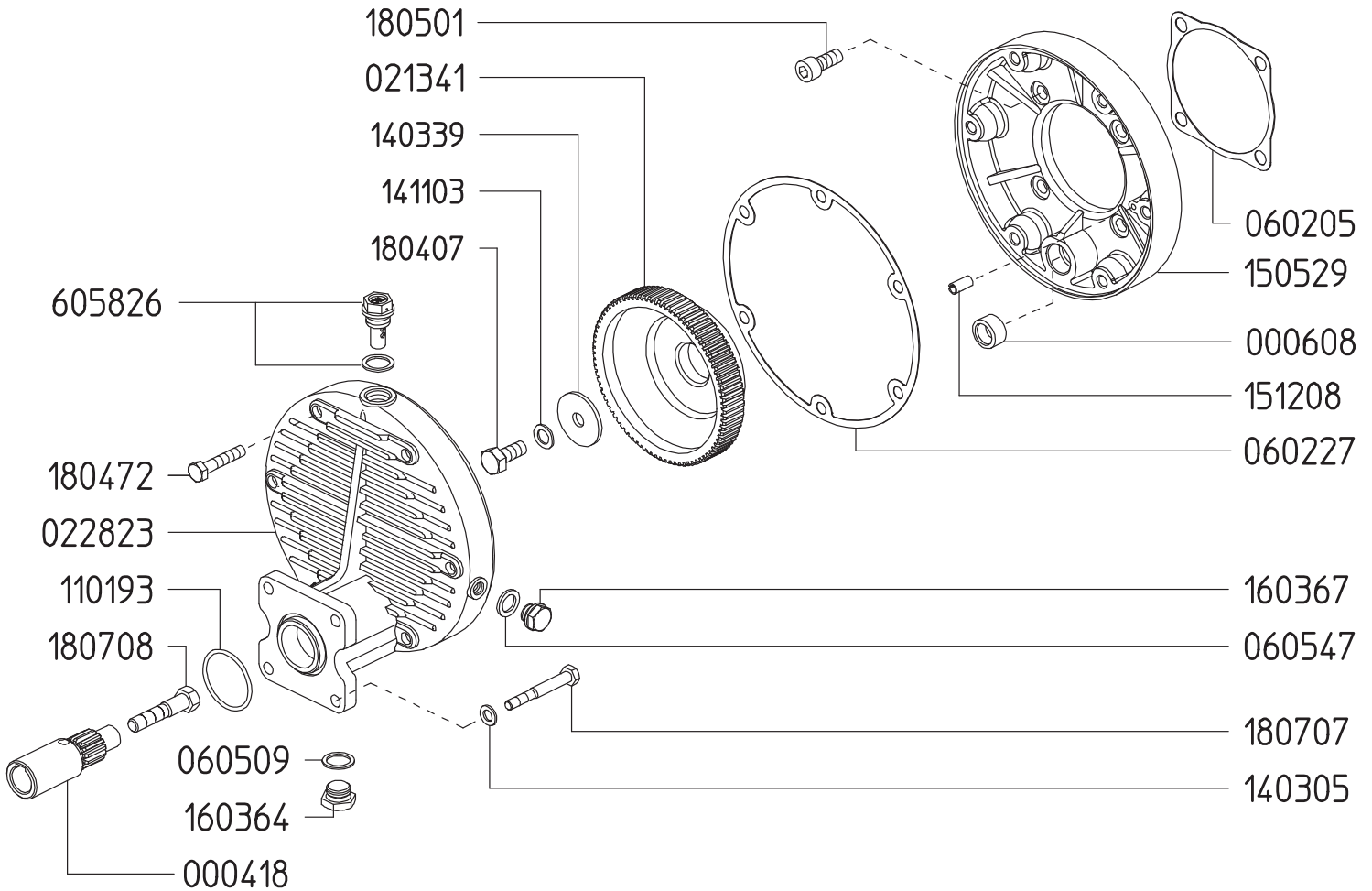
**GAS ENGINE GEAR REDUCTION FOR
KAPPA-15 DIAPHRAGM PUMPS
on GAS ENGINES with 3/4" SHAFTS**
REQUIRES 2 OZ. 90W GEAR LUBE



Revised 3-8-2022

Part #	Description	Qty	Part #	Description	Qty
0004.19	GEAR SHAFT "S124-3/4"/S151-3/4"	1	1101.91	O-RING - BODY	1
0007.21	OIL SEAL D17	1	1403.05	WASHER M8	4
0213.32	RED.GEAR WHEEL Z=19 "S124"	1	1403.29	WASHER M6	1
0214.08	BALL BEARING D15	1	1603.23	OIL PLUG	1
0228.34	COUPLER "S124" B&S	1	1804.68	HEX BOLT M6X22	1
0302.71	SPACER "S124"	1	1804.76	HEX BOLT M10X10	1
0304.02	SELF-LOCKING NUT M6	1	1805.53	ALLEN BOLT M6X22	4
0605.41	GASKET D10	1	1807.07	HEX BOLT 5/16X1" UNF	4
1101.16	O-RING - OIL PLUG	1			

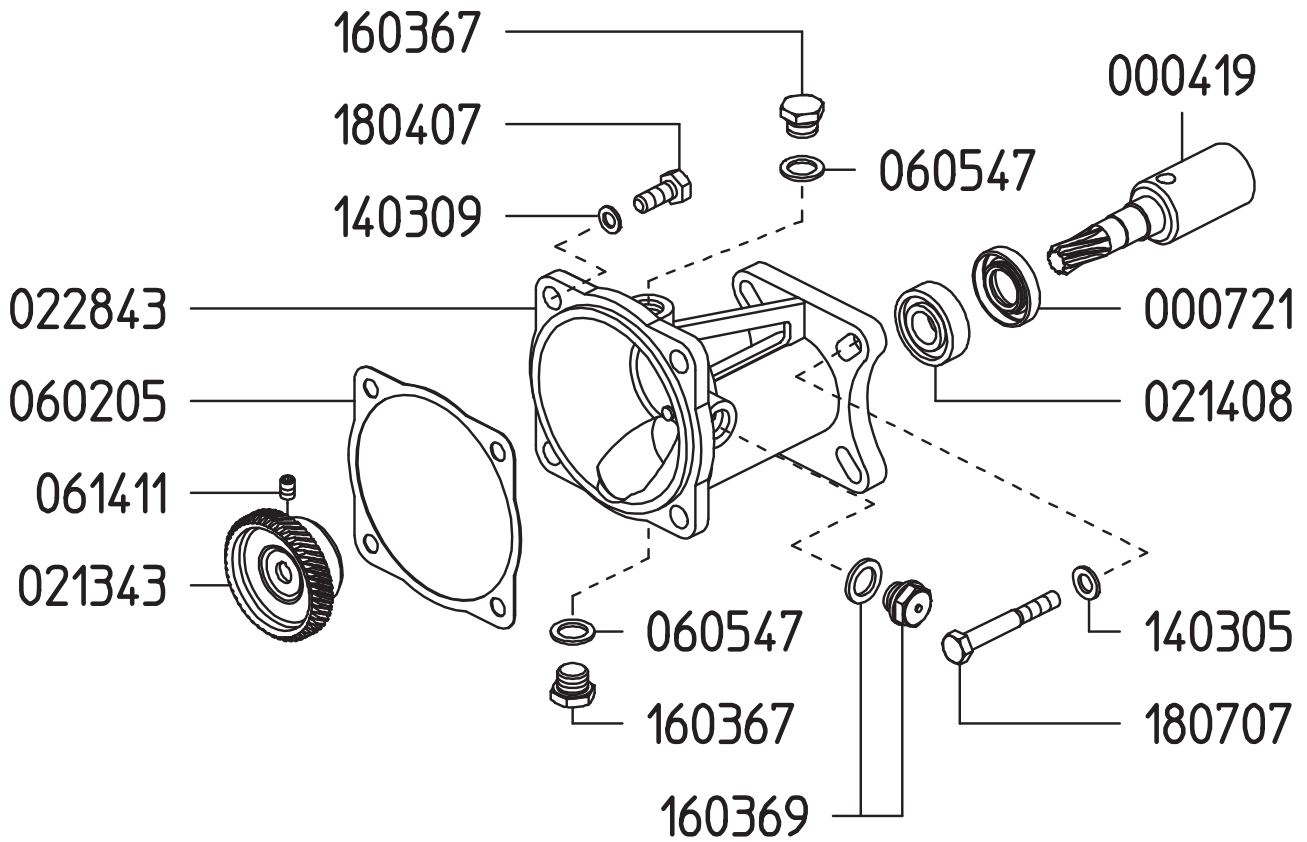
**GAS ENGINE GEAR REDUCTION FOR
KAPPA 32, KAPPA 43, DELTA 40 DIAPHRAGM PUMPS
on GAS ENGINES with 3/4" SHAFTS
REQUIRES 16 OZ. 90W GEAR LUBE**



Revised 2-1-2021

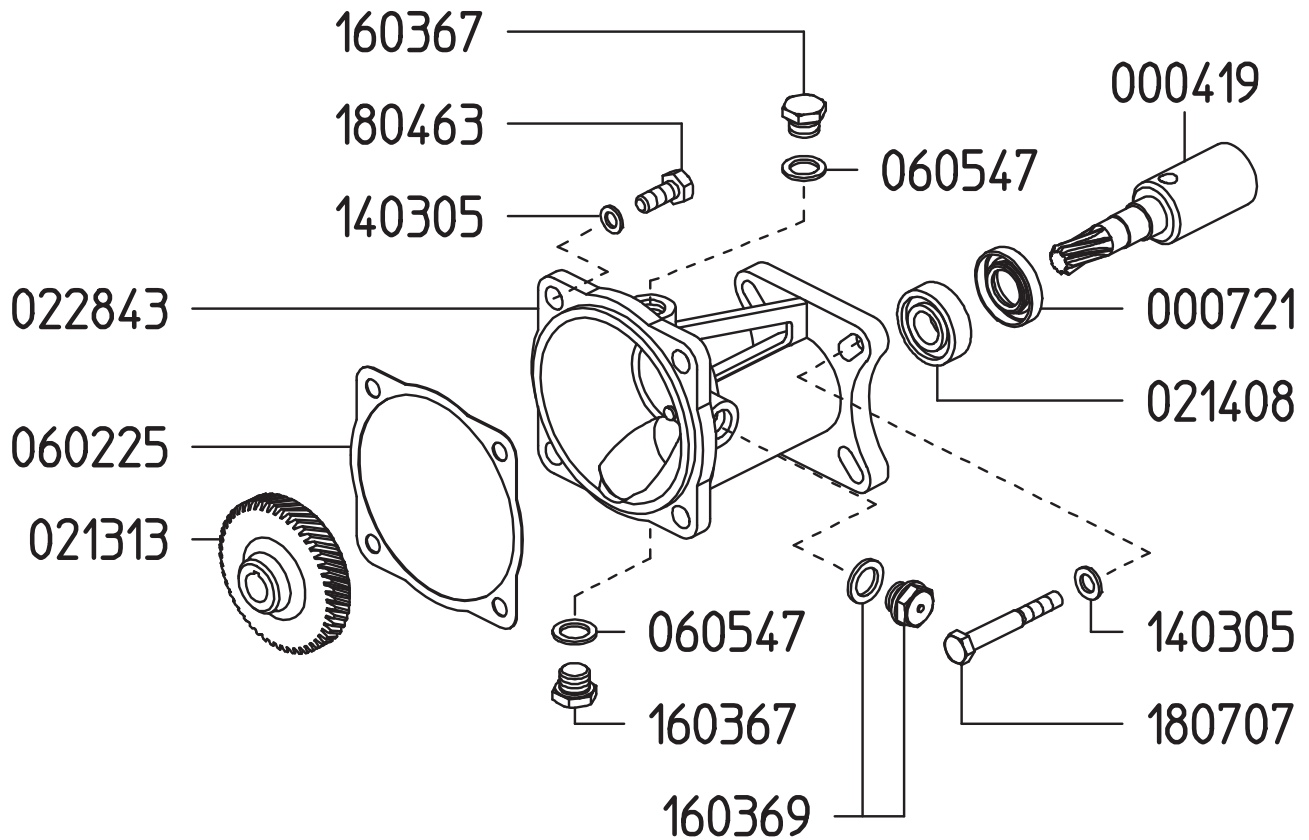
Part #	Description	Qty	Part #	Description	Qty
0004.18	GEAR SHAFT - 3/4"	1	1411.03	SERATED WASHER D10	1
0006.08	BEARING	1	1505.29	GEAR CASE - PUMP	1
0213.41	PUMP GEAR - VA	1	1512.08	ALIGNMENT PIN	1
0228.23	GEAR CASE - ENGINE	1	1603.64	OIL PLUG G3/8	1
0602.05	GASKET	1	1603.67	OIL PLUG G1/4	1
0602.27	GASKET	1	1804.07	HEX BOLT M10X25	1
0605.09	GASKET - ALUMINUM	1	1804.72	HEX BOLT M8X50	6
0605.47	GASKET - ALUMINUM	1	1805.01	ALLEN BOLT M10X25	4
1101.93	O-RING	1	1807.07	HEX BOLT 5/16 X 1"	4
1403.05	WASHER D8.4	4	1807.08	HEX BOLT 5/16 X 2-1/4"	1
1403.39	WASHER D11	1	6058.26	VENTED OIL CAP	1

**GAS ENGINE GEAR REDUCTION FOR
KAPPA-25 DIAPHRAGM PUMPS
on GAS ENGINES with 3/4" SHAFTS**
REQUIRES 3 OZ. 90W GEAR LUBE



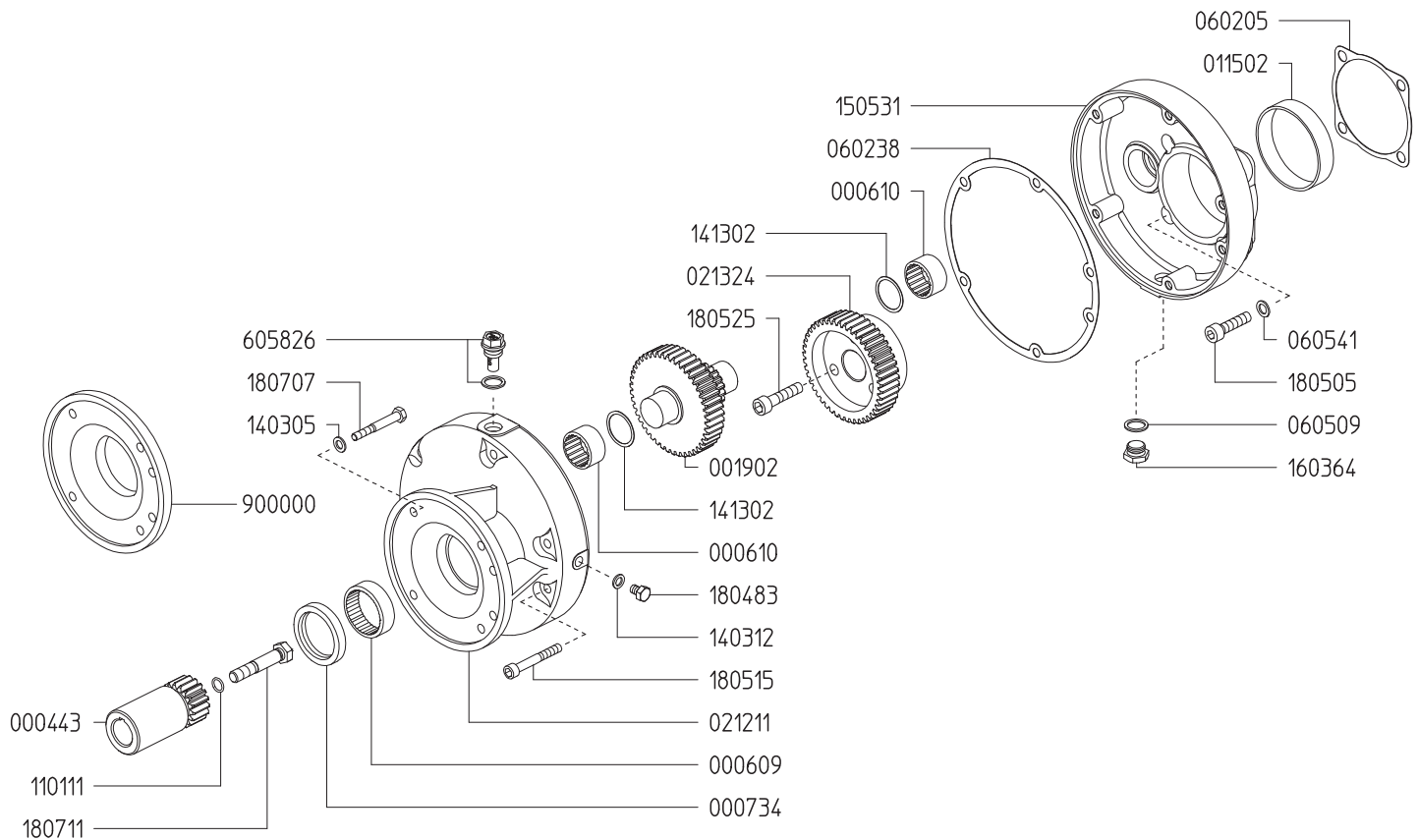
Part #	Description	Qty	Part #	Description	Qty
0004.19	GEAR SHAFT "S124-3/4"/S151-3/4"	1	0614.11	SET SCREW M6X6	1
0007.21	OIL SEAL D17	1	1403.05	WASHER M8	4
0213.43	RED.GEAR WHEEL Z=40 "S151-GR"	1	1403.09	WASHER M10	4
0214.08	BALL BEARING D15	1	1603.67	PLUG G1/4	2
0228.43	COUPLER "S151"	1	1603.69	OIL PLUG G1/4 + GASKET	1
0602.05	GASKET	1	1804.07	HEX BOLT M10X25	4
0605.47	GASKET D13	2	1807.07	HEX BOLT 5/16X1" UNF	4

**GAS ENGINE GEAR REDUCTION FOR
IOTA-20 DIAPHRAGM PUMPS
on GAS ENGINES with 3/4" SHAFTS**
REQUIRES 3 OZ. 90W GEAR LUBE



Part #	Description	Qty	Part #	Description	Qty
0004.19	GEAR SHAFT "S124-3/4"/S151-3/4"	1	0605.47	GASKET D13	2
0007.21	OIL SEAL D17	1	1403.05	WASHER M8	8
0213.13	RED.GEAR WHEEL Z=40 "S151"	1	1603.67	PLUG G1/4	2
0214.08	BALL BEARING D15	1	1603.69	OIL PLUG G1/4 + GASKET	1
0228.43	COUPLER "S151"	1	1804.63	HEX BOLT M8X25	4
0602.25	GASKET "IOTA-20"	1	1807.07	HEX BOLT 5/16X1" UNF	4

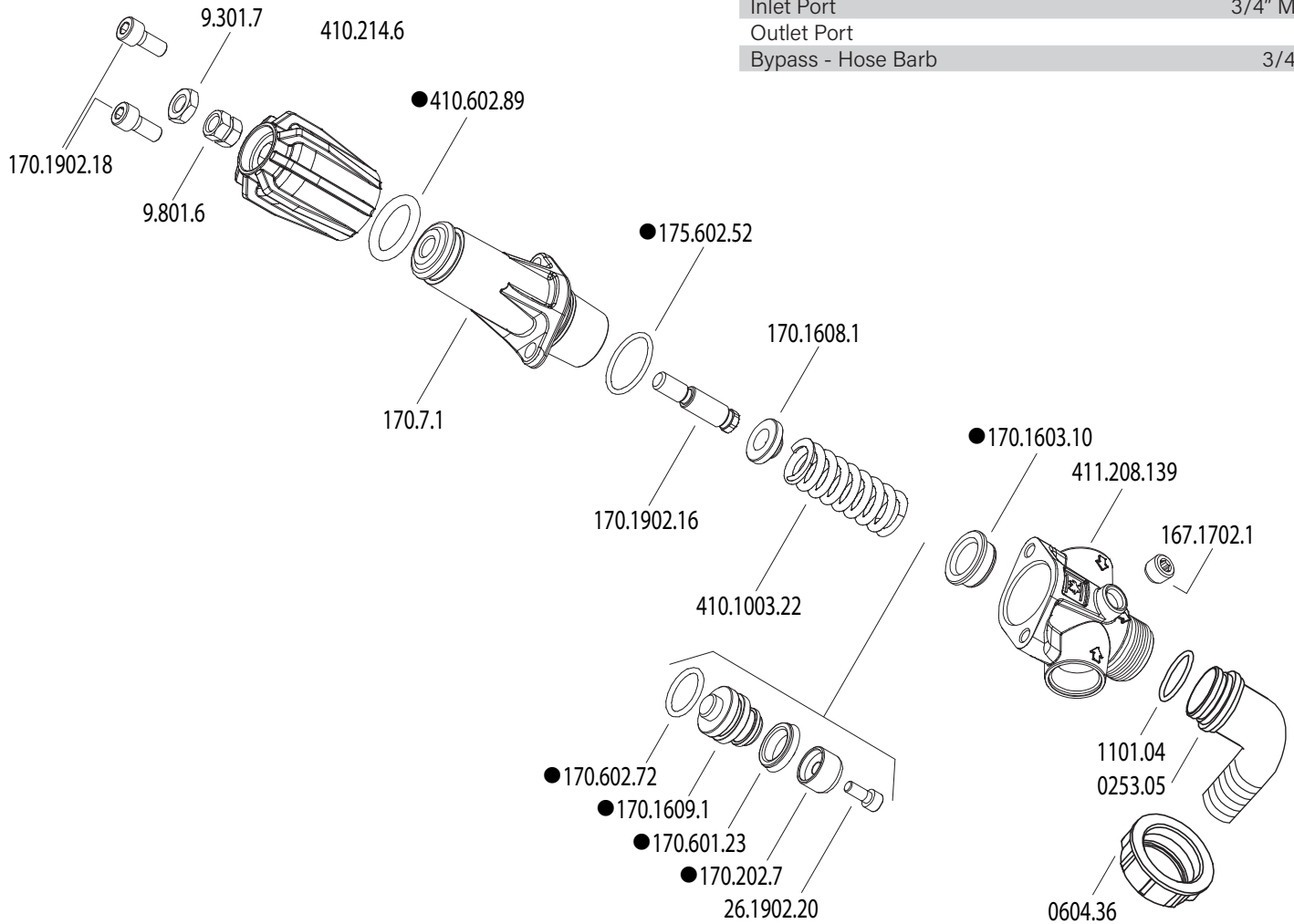
**GAS ENGINE GEAR REDUCTION FOR
DELTA 170 DIAPHRAGM PUMPS
on GAS ENGINES with 1-1/8" SHAFTS**
REQUIRES 28 OZ. 90W GEAR LUBE



Part #	Description	Qty	Part #	Description	Qty
0004.43	GEAR SHAFT "M162-1-1/8"VA"	1	1403.05	WASHER M8	4
0006.09	BUSHING D45	1	1403.12	GASKET D8.5	1
0006.10	BUSHING D30	2	1413.02	WASHER D30	2
0007.34	OIL SEAT D45	1	1505.31	GEAR BODY "M162"	1
0019.02	GEAR SHAFT "M162"	1	1603.64	PLUG G3/8	1
0115.02	BUSHING D80 GLY	1	1804.83	HEX BOLT M8X12	1
0212.11	REDUCER COVER "M162"	1	1805.05	ALLEN BOLT M10X30	4
0213.24	RED.GEAR WHEEL Z=45 "M162-VA"	1	1805.15	ALLEN BOLT M8X60	6
0602.05	GASKET	1	1805.25	ALLEN BOLT M10X45	3
0602.38	GASKET "M162"	1	1807.07	HEX BOLT 5/16X1" UNF	4
0605.09	GASKET D17	1	1807.11	HEX BOLT 7/16"X2" UNF	1
0605.41	GASKET D10	4	6058.26	OIL PLUG G3/8	1
1101.11	O-RING - SHAFT BOLT	1	9000.00	GEARBOX SPACER	1

Adjustable Pressure Regulator

Maximum Flow	40.0 GPM / 150 lpm
Maximum Pressure	400 PSI / 27 bar
Inlet Port	3/4" MNPT
Outlet Port	-
Bypass - Hose Barb	3/4" HB



Revised 11-17-2021

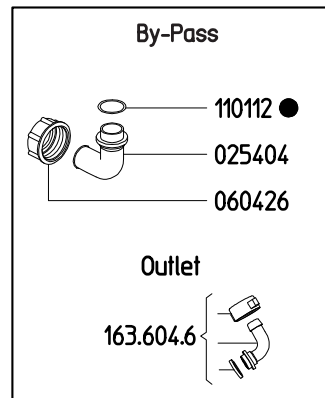
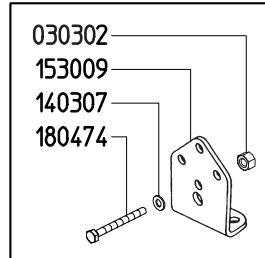
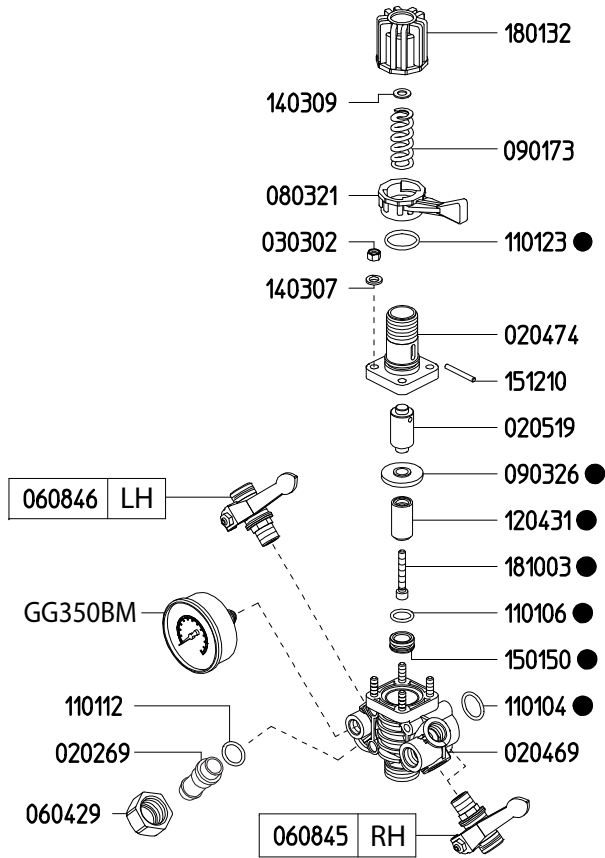
Part #	Description	Qty
0253.05	BY-PASS ELBOW	1
0604.36	NUT	1
1101.04	O-RING	1
167.1702.1	PLUG	1
170.1603.10	SEAT ●	1
170.1608.1	WASHER	1
170.1609.1	PISTON ●	1
170.1902.16	ADJUSTMENT STEM	1
170.1902.18	ALLEN BOLT	2
170.202.7	POPPET ●	1
170.601.23	CUP ●	1

Part #	Description	Qty
170.602.72	O-RING ●	1
170.7.1	BODY	1
175.602.52	O-RING ●	1
26.1902.20	ALLEN BOLT	1
410.1003.22	SPRING	1
410.214.6	ADJUSTMENT KNOB	1
410.602.89	O-RING ●	1
411.208.39	INLET BODY	1
9.301.7	NUT	1

● Parts included in Repair Kit #1238.N4/K

Remote Mounted Adjustable Pressure Regulator

Maximum Flow	270 GPM / 102 lpm
Maximum Pressure	350 PSI / 24 bar
Inlet Port - Hose Barb	3/4" HB
Outlet Ports - Hose Barb, Valve	(3) 1/2" HB
Bypass - Hose Barb	3/4" HB



6062A9	
KIT 608	
●	
CODE	QTY
090326	1
110104	1
110106	1
110112	1
110123	1
120431	1
150150	1
181003	1

Revised 1-20-2022

Part #	Description	Qty
0202.25	BYPASS HOSE BARB - STRAIGHT (OPTIONAL)	1
0202.69	INLET HOSE BARB - STRAIGHT	1
0204.69	BODY	1
0204.70	BODY	1
0205.19	CYLINDER	1
0254.04	BYPASS HOSE BARB - ELBOW	1
0303.02	NUT	6
0604.26	BYPASS BARB NUT	1
0604.29	NUT	1
0608.45	BALL VALVE - RIGHT	2
0608.46	BALL VALVE - LEFT	1
0803.21	LEVER	1
0901.73	SPRING (LP 300 PSI)	1
0903.26	DIAPHRAGM ●	1
1101.04	O-RING ●	1
1101.06	O-RING ●	1
1101.12	O-RING ●	2

Part #	Description	Qty
1101.23	O-RING ●	1
1204.31	POPPET ●	1
1403.07	WASHER	6
1501.50	SEAT ●	1
1512.10	PIN	1
1530.09	MOUNTING BRACKET	1
1603.44	PLUG	1
163.604.6	1/2" HOSE BARB ELBOW W/GASKET	3
1801.32	ADJUSTMENT KNOB	1
1804.74	BOLT	2
1810.03	STAINLESS STEEL BOLT ●	1
6062.A9	REPAIR KIT FOR 6010.9X CONTROL UNIT (KIT 608)	1
GG350BM	PRESSURE GAUGE - 350 PSI BACK MOUNT	1

● Parts Included in Repair Kit #6062.A9 (KIT 608)

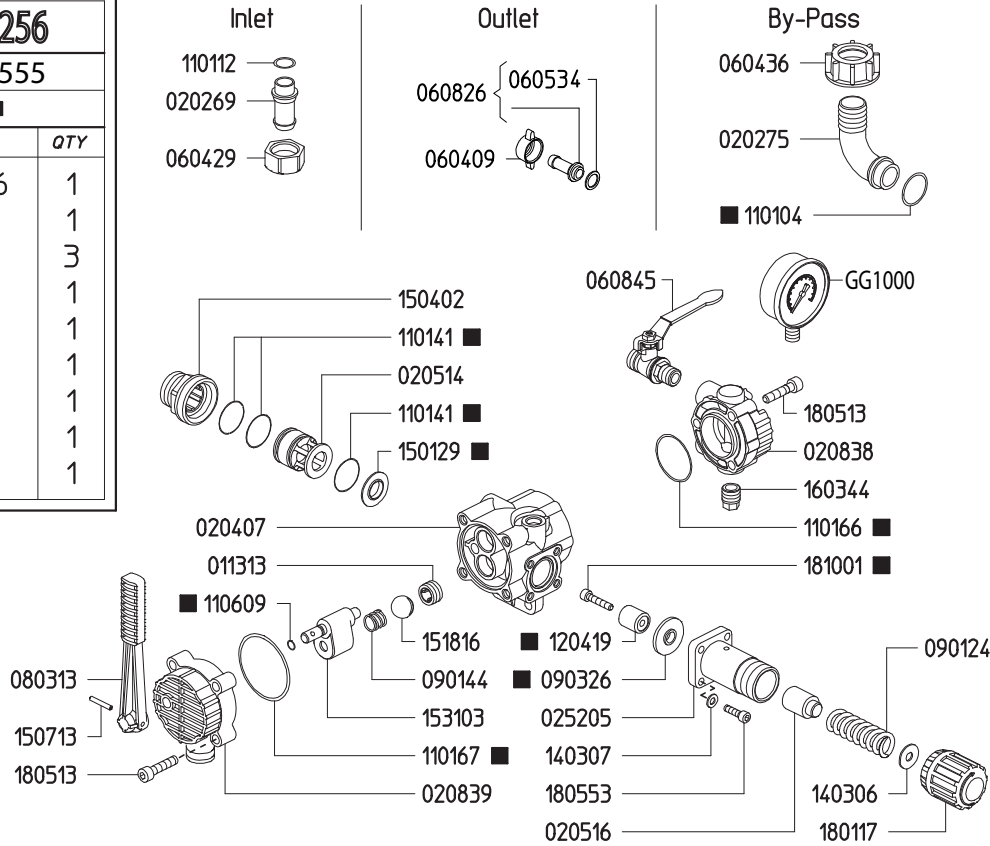
The control unit features a manual dump valve, pressure control knob, glycerine filled pressure gauge, and two ball valve discharge ports.

1. Before operating or re-operating the pump move lever (0803.21) to the dump position (Right) so the pump will start at zero pressure. (Failure to do so will void the pump warranty.)
2. Turn pressure adjustment knob (1801.32) counter clockwise to relieve spring tension. This step only applies to the initial start up and is not necessary in daily operation of pump.
3. Start unit and let run until air is evacuated from the system.
4. Move lever (0803.21) to the pressure position (Left) open spray gun or spray boom and turn the pressure adjustment knob (1801.32) clockwise until desired operating pressure is achieved.

Adjustable Pressure Regulator

Maximum Flow	32.0 GPM / 121 lpm
Maximum Pressure	400 PSI / 41 bar
Inlet Port - Hose Barb	3/4" HB
Outlet Ports - Hose Barb, Valve	(2) 1/2" HB
Bypass - Hose Barb	1" HB

606256	
KIT 555	
CODE	QTY
090326	1
110104	1
110141	3
110166	1
110167	1
110609	1
120419	1
150129	1
181001	1



Revised 11-17-2021

Part #	Description	Qty
0113.13	BALL SEAT	2
0202.69	3/4" BRASS BARB	1
0202.75	BYPASS HOSE BARB	1
0204.07	BODY	1
0205.14	CYLINDER	1
0205.16	SPRING GUIDE	1
0208.38	DISCHARGE PLATE	1
0208.39	SELECTOR BODY	1
0252.05	SPRING BODY	1
0604.09	DISCHARGE BARB NUT	2
0604.29	BARB NUT	1
0604.36	NUT	1
0605.34	GASKET	2
0608.26	1/2" HOSE BARB W/GASKET	2
0608.45	BALL VALVE (RIGHT)	3
0803.13	LEVER	1
0901.24	SPRING	1
0901.44	SPRING	1
0903.26	DIAPHRAGM	1
1101.04	O-RING ■	1
1101.12	O-RING	1

Part #	Description	Qty
1101.41	O-RING ■	3
1101.66	O-RING ■	1
1101.67	O-RING ■	1
1106.09	O-RING ■	1
1204.19	STEEL POPPET ■	1
1403.06	WASHER	1
1403.07	WASHER	4
1501.29	SEAT ■	1
1504.02	BYPASS SEAT	1
1507.13	ROLL PIN	1
1518.05	CONTROL UNIT BALL	1
1531.03	CONTROL SELECTOR	1
1603.44	PLUG	2
1801.17	ADJUSTMENT KNOB	1
1805.13	BOLT	7
1805.19	BOLT	4
1810.01	STAINLESS STEEL BOLT ■	1
6062.56	REPAIR KIT FOR 6004.05 CONTROL UNIT (KIT 555)	
GG1000	PRESSURE GAUGE - 1000 PSI BOTTOM MOUNT	1

■ Parts Included in Repair Kit #6062.56 (KIT 555)

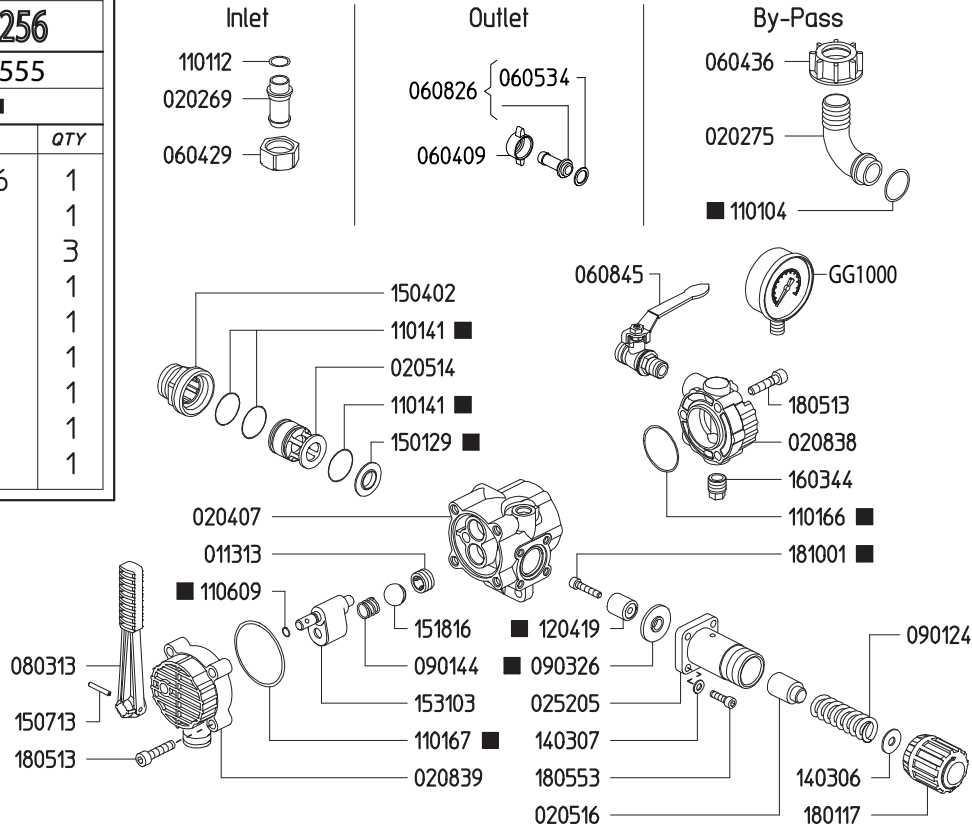
The control unit features a manual dump valve, pressure control knob, glycerine filled pressure gauge, and two ball valve discharge ports.

1. Before operating or re-operating the pump move lever (0803.13) to the dump position (Right) so the pump will start at zero pressure. (Failure to do so will void the pump warranty.)
2. Turn pressure adjustment knob (1801.17) counter clockwise to relieve spring tension. This step only applies to the initial start up and is not necessary in daily operation of pump.
3. Start unit and let run until air is evacuated from the system.
4. Move lever (0803.13) to the pressure position (Left) open spray gun or spray boom and turn the pressure adjustment knob (1801.17) clockwise until desired operating pressure is achieved.

Adjustable Pressure Regulator

Maximum Flow	32.0 GPM / 121 lpm
Maximum Pressure	580 PSI / 40 bar
Inlet Port - Hose Barb	3/4" HB
Outlet Ports - Hose Barb, Valve	(3) 1/2" HB
Bypass - Hose Barb	1" HB

606256	
KIT 555	
CODE	QTY
090326	1
110104	1
110141	3
110166	1
110167	1
110609	1
120419	1
150129	1
181001	1



Revised 11-17-2021

Part #	Description	Qty
0113.13	BALL SEAT	2
0202.69	3/4" BRASS BARB	1
0202.75	BYPASS HOSE BARB	1
0204.07	BODY	1
0205.14	CYLINDER	1
0205.16	SPRING GUIDE	1
0208.38	DISCHARGE PLATE	1
0208.39	SELECTOR BODY	1
0252.05	SPRING BODY	1
0604.09	DISCHARGE BARB NUT	2
0604.29	BARB NUT	1
0604.36	NUT	1
0605.34	GASKET	2
0608.26	1/2" HOSE BARB W/GASKET	2
0608.45	BALL VALVE (RIGHT)	3
0803.13	LEVER	1
0901.24	SPRING	1
0901.44	SPRING	1
0903.26	DIAPHRAGM	1
1101.04	O-RING	1
1101.12	O-RING	1

Part #	Description	Qty
1101.41	O-RING	3
1101.66	O-RING	1
1101.67	O-RING	1
1106.09	O-RING	1
1204.19	STEEL POPPET	1
1403.06	WASHER	1
1403.07	WASHER	4
1501.29	SEAT	1
1504.02	BYPASS SEAT	1
1507.13	ROLL PIN	1
1518.05	CONTROL UNIT BALL	1
1531.03	CONTROL SELECTOR	1
1603.44	PLUG	2
1801.17	ADJUSTMENT KNOB	1
1805.13	BOLT	7
1805.19	BOLT	4
1810.01	STAINLESS STEEL BOLT	1
6062.56	REPAIR KIT FOR 6004.06 CONTROL UNIT (KIT 555)	
GG1000	PRESSURE GAUGE - 1000 PSI BOTTOM MOUNT	1

■ Parts Included in Repair Kit #6062.56 (KIT 555)

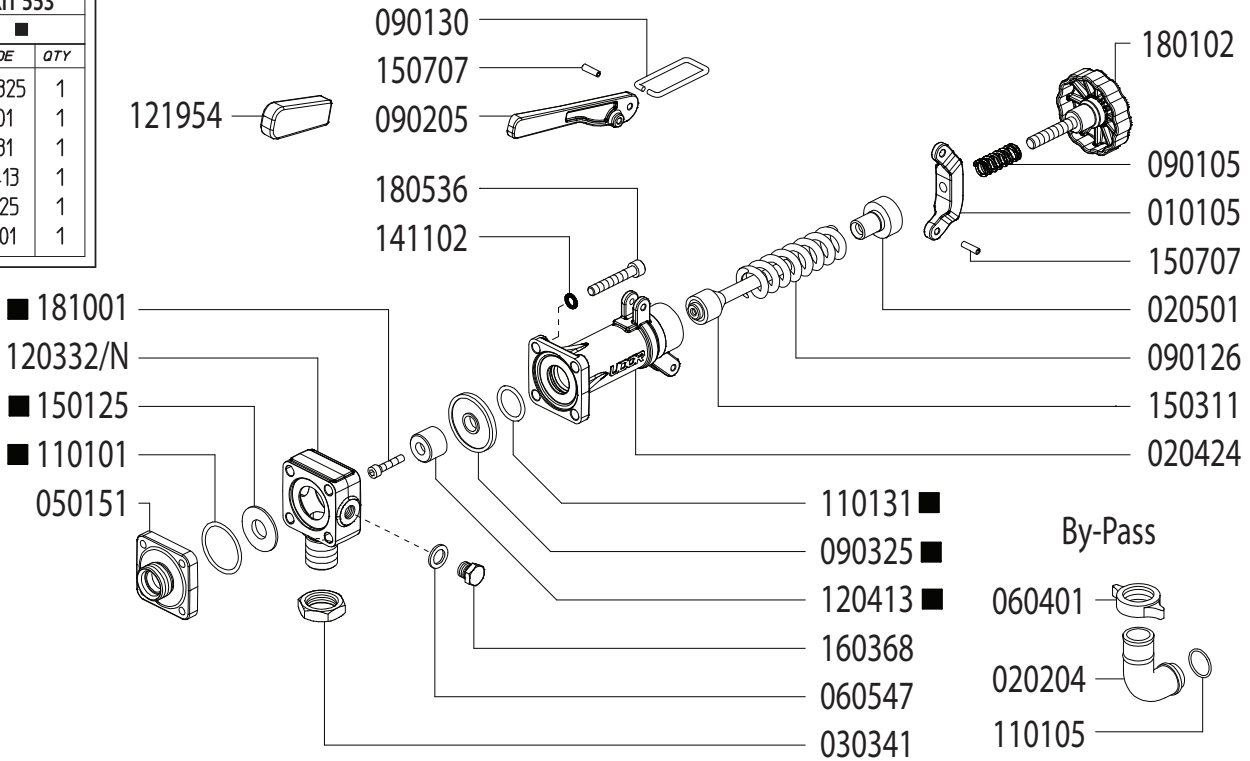
The control unit features a manual dump valve, pressure control knob, glycerine filled pressure gauge, and two ball valve discharge ports.

1. Before operating or re-operating the pump move lever (0803.13) to the dump position (Right) so the pump will start at zero pressure. (Failure to do so will void the pump warranty.)
2. Turn pressure adjustment knob (1801.17) counter clockwise to relieve spring tension. This step only applies to the initial start up and is not necessary in daily operation of pump.
3. Start unit and let run until air is evacuated from the system.
4. Move lever (0803.13) to the pressure position (Left) open spray gun or spray boom and turn the pressure adjustment knob (1801.17) clockwise until desired operating pressure is achieved.

Adjustable Pressure Regulator

Maximum Flow	47.3 GPM / 179.2 lpm
Maximum Pressure	1200 PSI / 81 bar
Inlet Ports	3/4" Male NPT
Outlet Ports	-
Bypass - Hose Barb	1" HB

606254	
KIT 553	
CODE	QTY
090325	1
110101	1
110131	1
120413	1
150125	1
181001	1



Revised 11-17-2021

Part #	Description	Qty
0101.05	LEVER GUIDE	1
0202.04	1" BRASS ELBOW HOSE BARB	1
0204.24	VALVE BODY	1
0205.01	VALVE CYLINDER	1
0303.41	NUT	1
0501.51	FLANGE	1
0604.01	BARB NUT	1
0901.05	SPRING	1
0901.30	PRESSURE BAIL	1
0901.26	SPRING	1
0902.05	HANDLE	1
0903.25 ■	DIAPHRAGM	1
1101.01 ■	O-RING - BYPASS FLANGE	1
1101.05	O-RING - BYPASS HOSE BARB	1

Part #	Description	Qty
1101.31 ■	O-RING - VALVE BODY	1
1203.32/N	INLET ELBOW - 3/4" MALE NPT	1
1204.13	POPPET ■	1
1219.54	HANDLE COVER - RUBBER	1
1501.25	SEAT ■	1
1503.11	REGULATOR STEM	1
1507.07	PIN	2
1801.02	ADJUSTMENT KNOB	1
1805.36	BOLT	4
1810.01	BOLT - STAINLESS STEEL ■	1
GG1500	HIGH PRESSURE GAUGE (OPTIONAL)	1
6062.54	REPAIR KIT (KIT 553)	

■ Parts Included in Repair Kit #6062.54 (KIT 553)

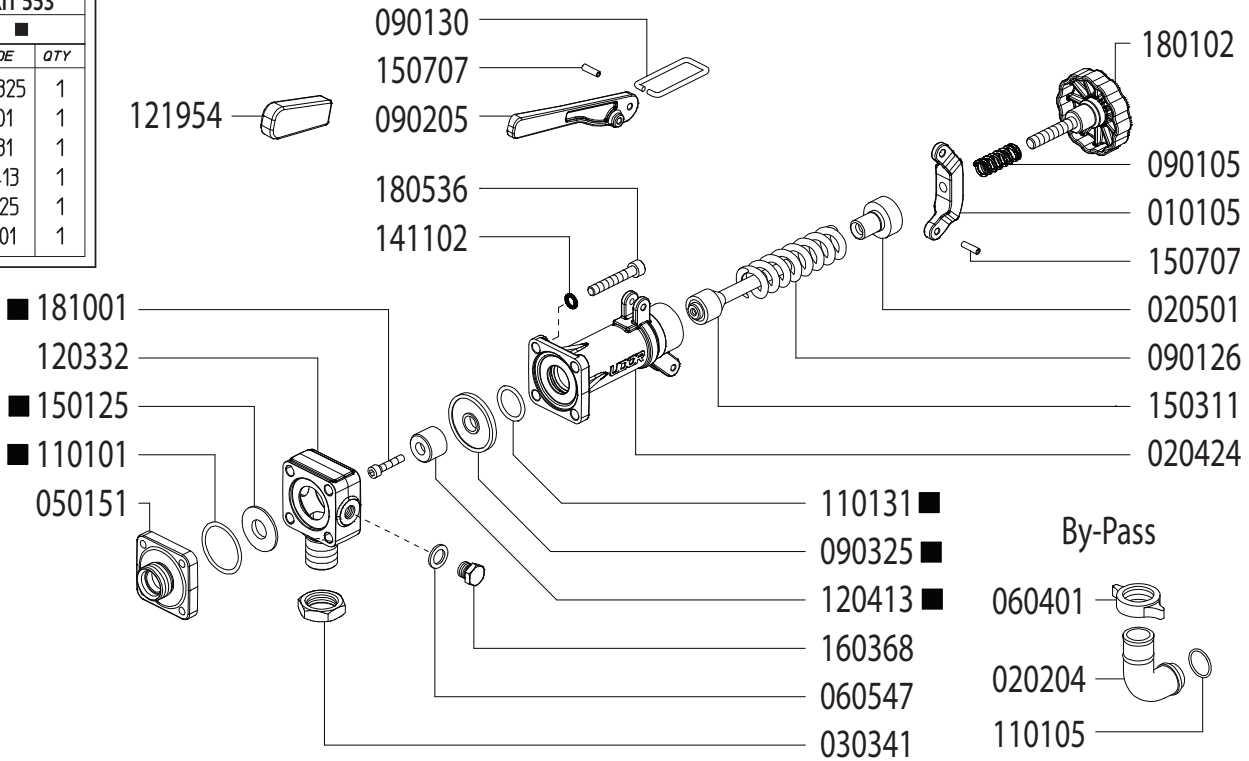
OPERATING INSTRUCTIONS

1. Before operating or re-operating pump, lift R.V. Handle (0902.05) so pump will start at zero pressure.
FAILURE TO DO SO WILL VOID PUMP WARRANTY.
2. Turn Pressure Adjustment Knob (1801.02) counter-clockwise to relieve spring tension. (Step 2 is only necessary on initial start-up and is not necessary for daily operation.)
3. Start unit and let run until air is evacuated from system, when only liquid is expelled from the bypass line.
4. Return R.V. Handle (0902.05) to down position. Open spray gun or spray boom and turn adjustment knob (1801.02) clockwise until desired operating pressure is achieved.

Adjustable Pressure Regulator

Maximum Flow	47.3 GPM / 179.2 lpm
Maximum Pressure	1200 PSI / 81 bar
Inlet Port	3/4" Male BSP
Outlet Ports	-
Bypass - Hose Barb	1" HB

606254	
KIT 553	
CODE	QTY
090325	1
110101	1
110131	1
120413	1
150125	1
181001	1



Revised 11-17-2021

Part #	Description	Qty
0101.05	LEVER GUIDE	1
0202.04	1" BRASS ELBOW HOSE BARB	1
0204.24	VALVE BODY	1
0205.01	VALVE CYLINDER	1
0303.41	NUT	1
0501.51	FLANGE	1
0604.01	BARB NUT	1
0901.05	SPRING	1
0901.30	PRESSURE BAIL	1
0901.26	SPRING	1
0902.05	HANDLE	1
0903.25	DIAPHRAGM	1
1101.01	O-RING - BYPASS FLANGE	1
1101.05	O-RING - BYPASS HOSE BARB	1

Part #	Description	Qty
1101.31	O-RING - VALVE BODY	1
1203.32	INLET ELBOW - 3/4" MALE BSP	1
1204.13	POPPET	1
1219.54	HANDLE COVER - RUBBER	1
1501.25	SEAT	1
1503.11	REGULATOR STEM	1
1507.07	PIN	2
1801.02	ADJUSTMENT KNOB	1
1805.36	BOLT	4
1810.01	BOLT - STAINLESS STEEL	1
GG1500	HIGH PRESSURE GAUGE (OPTIONAL)	1
6062.54	REPAIR KIT (KIT 553)	

■ Parts Included in Repair Kit #6062.54 (KIT 553)

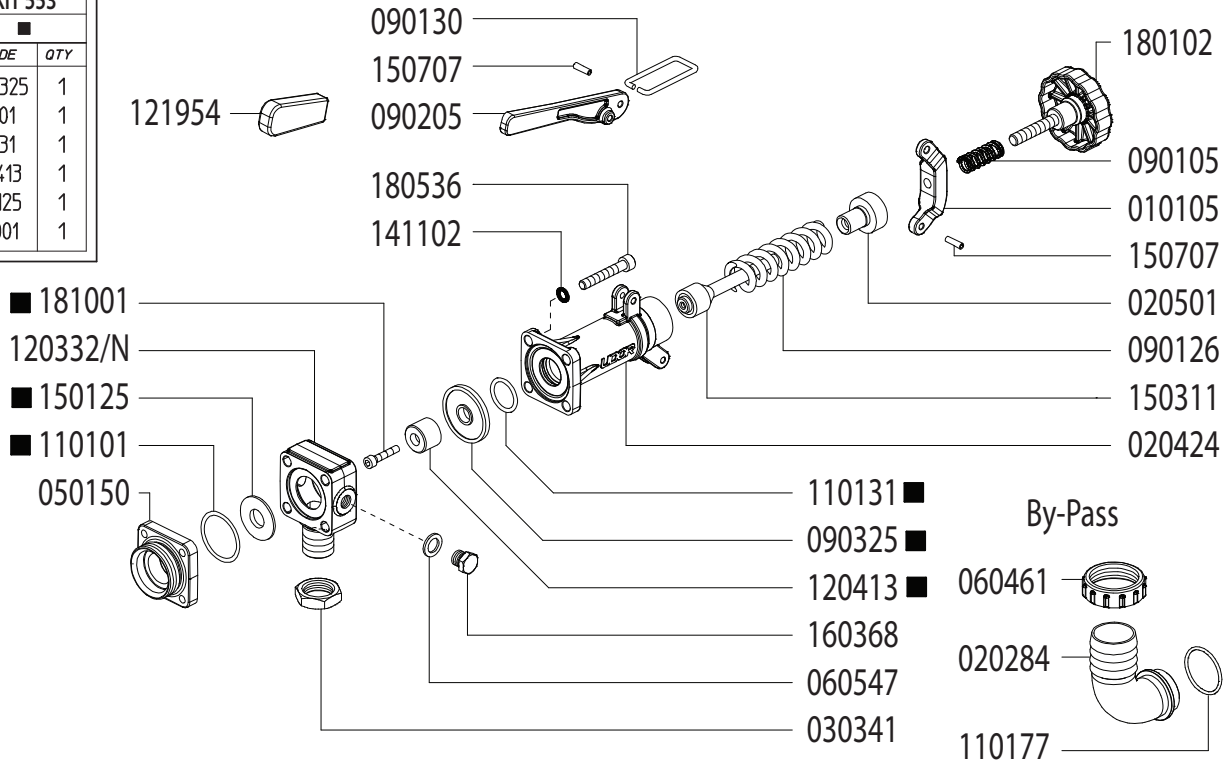
OPERATING INSTRUCTIONS

1. Before operating or re-operating pump, lift R.V. Handle (0902.05) so pump will start at zero pressure.
FAILURE TO DO SO WILL VOID PUMP WARRANTY.
2. Turn Pressure Adjustment Knob (1801.02) counter-clockwise to relieve spring tension. (Step 2 is only necessary on initial start-up and is not necessary for daily operation.)
3. Start unit and let run until air is evacuated from system, when only liquid is expelled from the bypass line.
4. Return R.V. Handle (0902.05) to down position. Open spray gun or spray boom and turn adjustment knob (1801.02) clockwise until desired operating pressure is achieved.

Adjustable Pressure Regulator

Maximum Flow	66.0 GPM / 250 lpm
Maximum Pressure	1200 PSI / 81 bar
Inlet Port	3/4" MNPT
Outlet Ports	-
Bypass - Hose Barb	1-1/2" HB

606254	
KIT 553	
■	
CODE	QTY
090325	1
110101	1
110131	1
120413	1
150125	1
181001	1



Revised 11-17-2021

Part #	Description	Qty
0101.05	LEVER GUIDE	1
0202.84	1" BRASS ELBOW HOSE BARB	1
0204.24	VALVE BODY	1
0205.01	VALVE CYLINDER	1
0303.41	NUT	1
0501.50	FLANGE	1
0604.61	BARB NUT	1
0901.05	SPRING	1
0901.30	PRESSURE BAIL	1
0901.26	SPRING	1
0902.05	HANDLE	1
0903.25 ■	DIAPHRAGM	1
1101.01 ■	O-RING - BYPASS FLANGE	1
1101.31 ■	O-RING - VALVE BODY	1

Part #	Description	Qty
1101.77	O-RING - BYPASS HOSE BARB	1
1203.32/N	INLET ELBOW - 3/4" MALE NPT	1
1204.13	POPPET ■	1
1219.54	HANDLE COVER - RUBBER	1
1501.25	SEAT ■	1
1503.11	REGULATOR STEM	1
1507.07	PIN	2
1801.02	ADJUSTMENT KNOB	1
1805.36	BOLT	4
1810.01	BOLT - STAINLESS STEEL ■	1
GG1500	HIGH PRESSURE GAUGE (OPTIONAL)	1
6062.54	REPAIR KIT (KIT 553)	

■ Parts Included in Repair Kit #6062.54 (KIT 553)

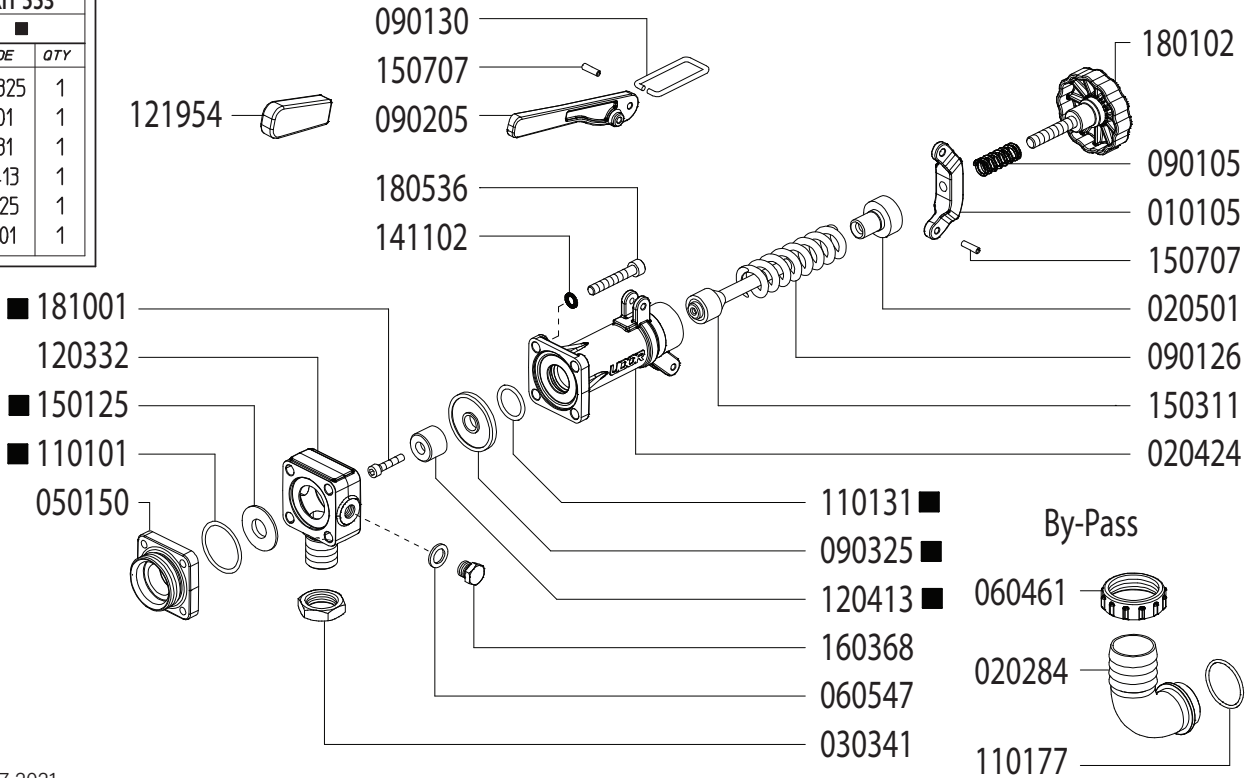
OPERATING INSTRUCTIONS

1. Before operating or re-operating pump, lift R.V. Handle (0902.05) so pump will start at zero pressure.
FAILURE TO DO SO WILL VOID PUMP WARRANTY.
2. Turn Pressure Adjustment Knob (1801.02) counter-clockwise to relieve spring tension. (Step 2 is only necessary on initial start-up and is not necessary for daily operation.)
3. Start unit and let run until air is evacuated from system, when only liquid is expelled from the bypass line.
4. Return R.V. Handle (0902.05) to down position. Open spray gun or spray boom and turn adjustment knob (1801.02) clockwise until desired operating pressure is achieved.

Adjustable Pressure Regulator

Maximum Flow	66.0 GPM / 250 lpm
Maximum Pressure	1200 PSI / 81 bar
Inlet Port	3/4" Male BSP
Outlet Ports	-
Bypass - Hose Barb	1-1/2" HB

606254	
KIT 553	
CODE	QTY
090325	1
110101	1
110131	1
120413	1
150125	1
181001	1



Revised 11-17-2021

Part #	Description	Qty
0101.05	LEVER GUIDE	1
0202.84	1" BRASS ELBOW HOSE BARB	1
0204.24	VALVE BODY	1
0205.01	VALVE CYLINDER	1
0303.41	NUT	1
0501.50	FLANGE	1
0604.61	BARB NUT	1
0901.05	SPRING	1
0901.30	PRESSURE BAIL	1
0901.26	SPRING	1
0902.05	HANDLE	1
0903.25	DIAPHRAGM	1
1101.01	O-RING - BYPASS FLANGE	1
1101.31	O-RING - VALVE BODY	1

Part #	Description	Qty
1101.77	O-RING - BYPASS HOSE BARB	1
1203.32	INLET ELBOW - 3/4" MALE BSP	1
1204.13	POPPET	1
1219.54	HANDLE COVER - RUBBER	1
1501.25	SEAT	1
1503.11	REGULATOR STEM	1
1507.07	PIN	2
1801.02	ADJUSTMENT KNOB	1
1805.36	BOLT	4
1810.01	BOLT - STAINLESS STEEL	1
GG1500	HIGH PRESSURE GAUGE (OPTIONAL)	1
6062.54	REPAIR KIT (KIT 553)	

■ Parts Included in Repair Kit #6062.54 (KIT 553)

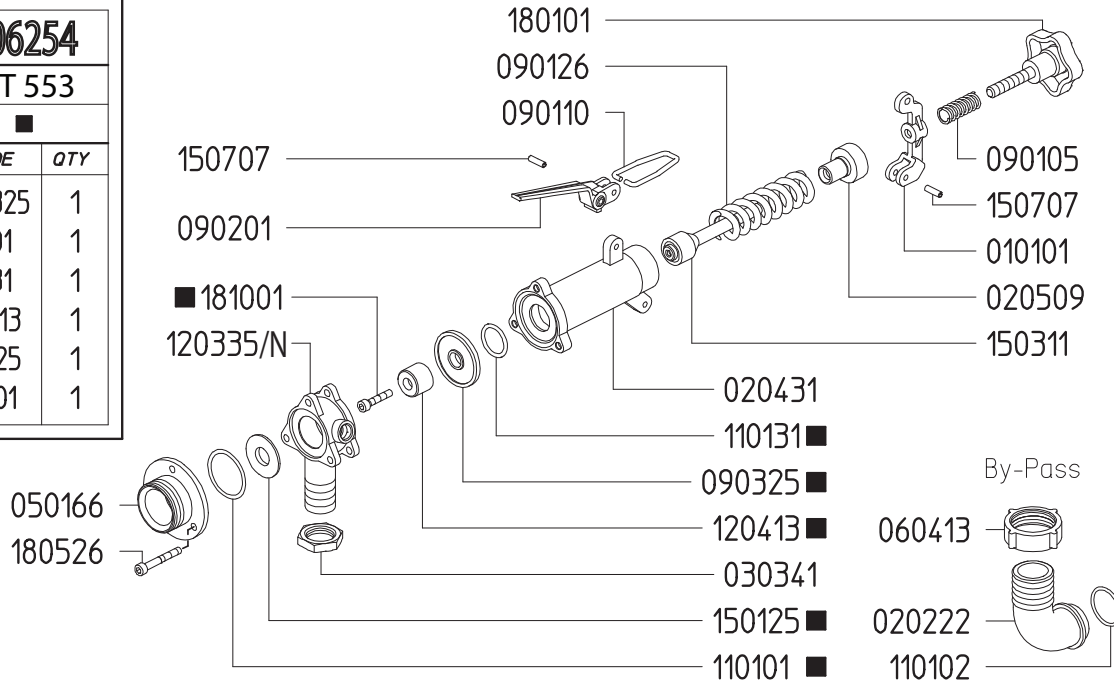
OPERATING INSTRUCTIONS

1. Before operating or re-operating pump, lift R.V. Handle (0902.05) so pump will start at zero pressure.
FAILURE TO DO SO WILL VOID PUMP WARRANTY.
2. Turn Pressure Adjustment Knob (1801.02) counter-clockwise to relieve spring tension. (Step 2 is only necessary on initial start-up and is not necessary for daily operation.)
3. Start unit and let run until air is evacuated from system, when only liquid is expelled from the bypass line.
4. Return R.V. Handle (0902.05) to down position. Open spray gun or spray boom and turn adjustment knob (1801.02) clockwise until desired operating pressure is achieved.

Adjustable Pressure Regulator

Maximum Flow	66.0 GPM / 250 lpm
Maximum Pressure	1200 PSI / 81 bar
Inlet Port	3/4" MNPT
Outlet Ports	-
Bypass - Hose Barb	1-1/4" HB

606254	
KIT 553	
■	
CODE	QTY
090325	1
110101	1
110131	1
120413	1
150125	1
181001	1



Revised 11-17-2021

Part #	Description	Qty
0101.01	LEVER GUIDE	1
0202.91	1-1/4" BRASS ELBOW HOSE BARB	1
0204.31	VALVE BODY	1
0205.09	VALVE CYLINDER	1
0303.41	NUT	1
0501.66	FLANGE	1
0604.13	BARB NUT	1
0901.05	SPRING	1
0901.10	PRESSURE BAIL	1
0901.26	SPRING	1
0902.01	HANDLE	1
0903.25	DIAPHRAGM ■	1
1101.01	O-RING ■	1
1101.02	O-RING	1

Part #	Description	Qty
1101.31	O-RING ■	1
1203.35/N	3/4" MNPT INLET ELBOW	1
1204.13	POPPET ■	1
1501.25	SEAT ■	1
1503.11	REGULATOR STEM	1
1507.07	PIN	2
1801.01	ADJUSTMENT KNOB	1
1805.26	BOLT	3
1810.01	STAINLESS STEEL BOLT ■	1
GG-1500	HIGH PRESSURE GAUGE (OPTIONAL)	1
6062.54	REPAIR KIT (KIT 553)	1

■ Parts Included in Repair Kit #6062.54 (KIT 553)

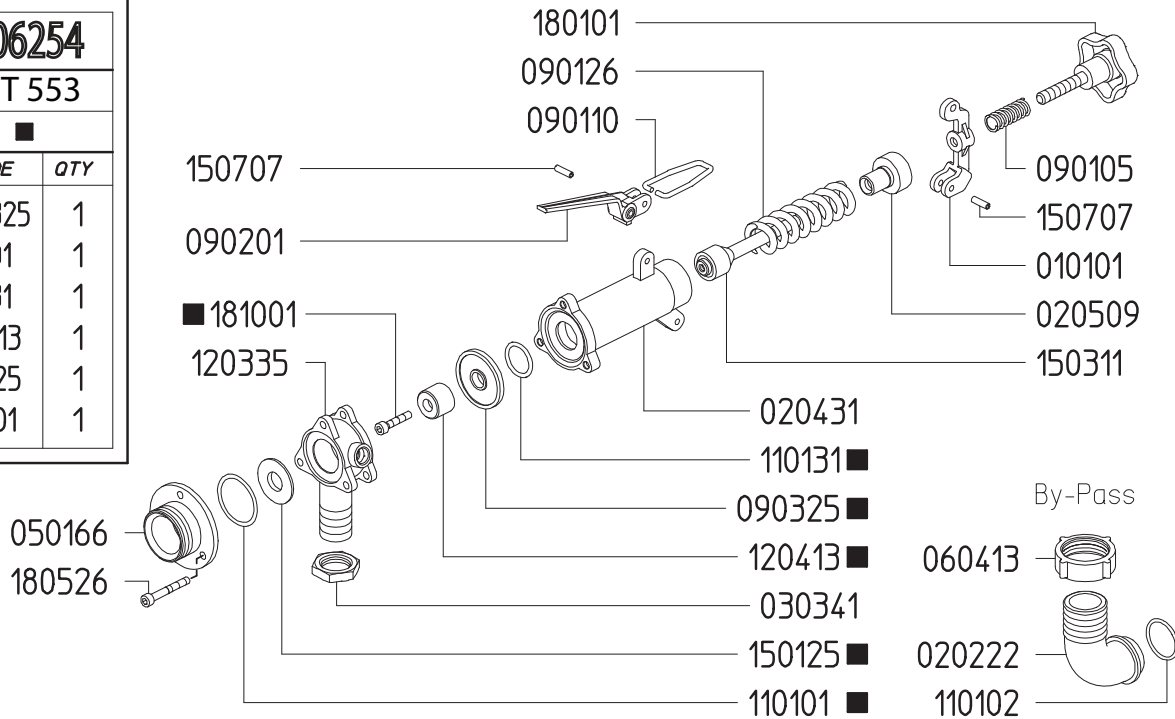
OPERATING INSTRUCTIONS

1. Before operating or re-operating pump, lift R.V. Handle (0902.01) so pump will start at zero pressure. **FAILURE TO DO SO WILL VOID PUMP WARRANTY.**
2. Turn Pressure Adjustment Knob (1801.01) counter-clockwise to relieve spring tension. (Step 2 is only necessary on initial start-up and is not necessary for daily operation.)
3. Start unit and let run until air is evacuated from system, when only liquid is expelled from the bypass line.
4. Return R.V. Handle (0902.01) to down position. Open spray gun or spray boom and turn adjustment knob (1801.01) clockwise until desired operating pressure is achieved.

Adjustable Pressure Regulator

Maximum Flow	66.0 GPM / 250 lpm
Maximum Pressure	1200 PSI / 81 bar
Inlet Port	3/4" Male BSP
Outlet Ports	-
Bypass - Hose Barb	1-1/4" HB

606254	
KIT 553	
■	
CODE	QTY
090325	1
110101	1
110131	1
120413	1
150125	1
181001	1



Revised 11-17-2021

Part #	Description	Qty
0101.01	LEVER GUIDE	1
0202.91	1-1/4" BRASS ELBOW HOSE BARB	1
0204.31	VALVE BODY	1
0205.09	VALVE CYLINDER	1
0303.41	NUT	1
0501.66	FLANGE	1
0604.13	BARB NUT	1
0901.05	SPRING	1
0901.10	PRESSURE BAIL	1
0901.26	SPRING	1
0902.01	HANDLE	1
0903.25	DIAPHRAGM ■	1
1101.01	O-RING ■	1
1101.02	O-RING	1

Part #	Description	Qty
1101.31	O-RING ■	1
1203.35	INLET ELBOW 3/4" MALE BSP	1
1204.13	POPPET ■	1
1501.25	SEAT ■	1
1503.11	REGULATOR STEM	1
1507.07	PIN	2
1801.01	ADJUSTMENT KNOB	1
1805.26	BOLT	3
1810.01	STAINLESS STEEL BOLT ■	1
GG-1500	HIGH PRESSURE GAUGE (OPTIONAL)	1
6062.54	REPAIR KIT (KIT 553)	1

■ Parts Included in Repair Kit #6062.54 (KIT 553)

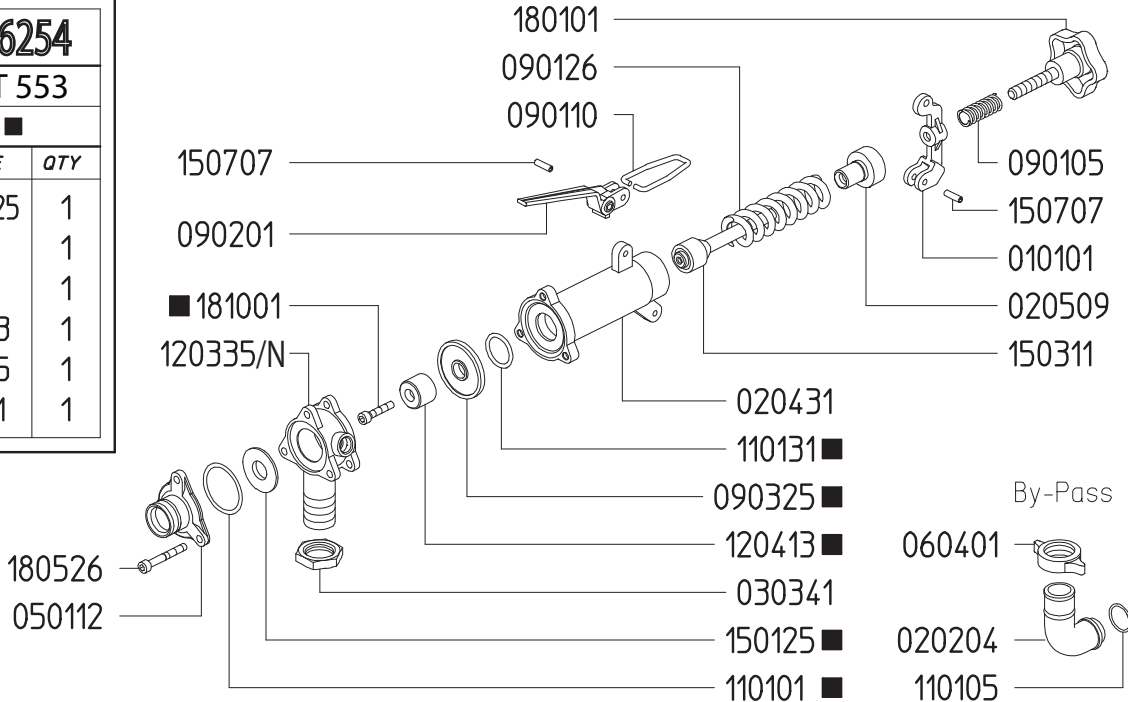
OPERATING INSTRUCTIONS

1. Before operating or re-operating pump, lift R.V. Handle (0902.01) so pump will start at zero pressure.
FAILURE TO DO SO WILL VOID PUMP WARRANTY.
2. Turn Pressure Adjustment Knob (1801.01) counter-clockwise to relieve spring tension. (Step 2 is only necessary on initial start-up and is not necessary for daily operation.)
3. Start unit and let run until air is evacuated from system, when only liquid is expelled from the bypass line.
4. Return R.V. Handle (0902.01) to down position. Open spray gun or spray boom and turn adjustment knob (1801.01) clockwise until desired operating pressure is achieved.

Adjustable Pressure Regulator

Maximum Flow	47.3 GPM / 179.2 lpm
Maximum Pressure	1200 PSI / 81 bar
Inlet Port	3/4" Male NPT
Outlet Ports	-
Bypass - Hose Barb	1" HB

606254	
KIT 553	
■	
CODE	QTY
090325	1
110101	1
110131	1
120413	1
150125	1
181001	1



Revised 11-17-2021

Part #	Description	Qty
0101.01	LEVER GUIDE	1
0202.04	1" BRASS ELBOW HOSE BARB	1
0204.31	VALVE BODY	1
0205.09	VALVE CYLINDER	1
0303.41	NUT	1
0501.12	FLANGE	1
0604.01	BARB NUT	1
0901.05	SPRING	1
0901.10	PRESSURE BAIL	1
0901.26	SPRING	1
0902.01	HANDLE	1
0903.25 ■	DIAPHRAGM	1
1101.01 ■	O-RING	1
1101.05	O-RING	1

Part #	Description	Qty
1101.31 ■	O-RING	1
1203.35/N	3/4" MNPT INLET ELBOW	1
1204.13	POPPET ■	1
1501.25	SEAT ■	1
1503.11	REGULATOR STEM	1
1507.07	PIN	2
1801.01	ADJUSTMENT KNOB	1
1805.26	BOLT	3
1810.01	STAINLESS STEEL BOLT ■	1
GG-1500	HIGH PRESSURE GAUGE (OPTIONAL)	1
6062.54	REPAIR KIT FOR (KIT 553)	1

■ Parts Included in Repair Kit #6062.54 (KIT 553)

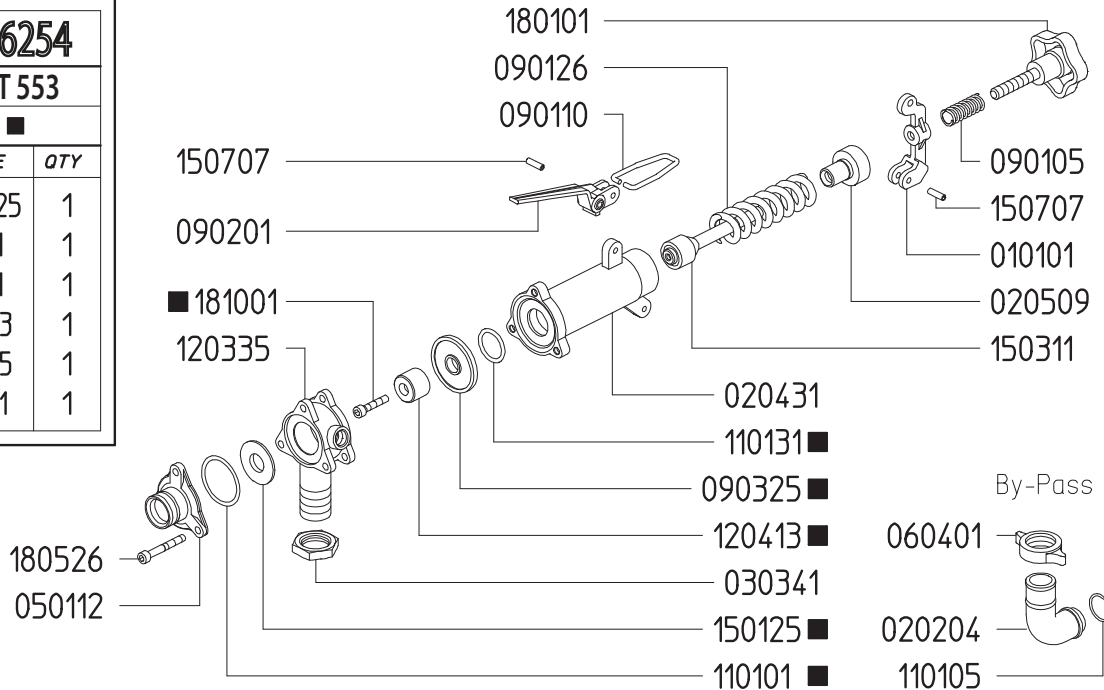
OPERATING INSTRUCTIONS

1. Before operating or re-operating pump, lift R.V. Handle (0902.01) so pump will start at zero pressure.
FAILURE TO DO SO WILL VOID PUMP WARRANTY.
2. Turn Pressure Adjustment Knob (1801.01) counter-clockwise to relieve spring tension. (Step 2 is only necessary on initial start-up and is not necessary for daily operation.)
3. Start unit and let run until air is evacuated from system, when only liquid is expelled from the bypass line.
4. Return R.V. Handle (0902.01) to down position. Open spray gun or spray boom and turn adjustment knob (1801.01) clockwise until desired operating pressure is achieved.

Adjustable Pressure Regulator

Maximum Flow	47.3 GPM / 179.2 lpm
Maximum Pressure	1200 PSI / 81 bar
Inlet Port	3/4" Male BSP
Outlet Ports	-
Bypass - Hose Barb	1" HB

606254	
KIT 553	
■	
CODE	QTY
090325	1
110101	1
110131	1
120413	1
150125	1
181001	1



Revised 11-17-2021

Part #	Description	Qty
0101.01	LEVER GUIDE	1
0202.04	1" BRASS ELBOW HOSE BARB	1
0204.31	VALVE BODY	1
0205.09	VALVE CYLINDER	1
0303.41	NUT	1
0501.12	FLANGE	1
0604.01	BARB NUT	1
0901.05	SPRING	1
0901.10	PRESSURE BAIL	1
0901.26	SPRING	1
0902.01	HANDLE	1
0903.25 ■	DIAPHRAGM	1
1101.01 ■	O-RING	1
1101.05	O-RING	1

Part #	Description	Qty
1101.31 ■	O-RING	1
1203.35	INLET ELBOW - 3/4" MALE BSP	1
1204.13	POPPET ■	1
1501.25	SEAT ■	1
1503.11	REGULATOR STEM	1
1507.07	PIN	2
1801.01	ADJUSTMENT KNOB	1
1805.26	BOLT	3
1810.01	STAINLESS STEEL BOLT ■	1
GG1500	HIGH PRESSURE GAUGE (OPTIONAL)	1
6062.54	REPAIR KIT (KIT 553)	

■ Parts Included in Repair Kit #6062.54 (KIT 553)

OPERATING INSTRUCTIONS

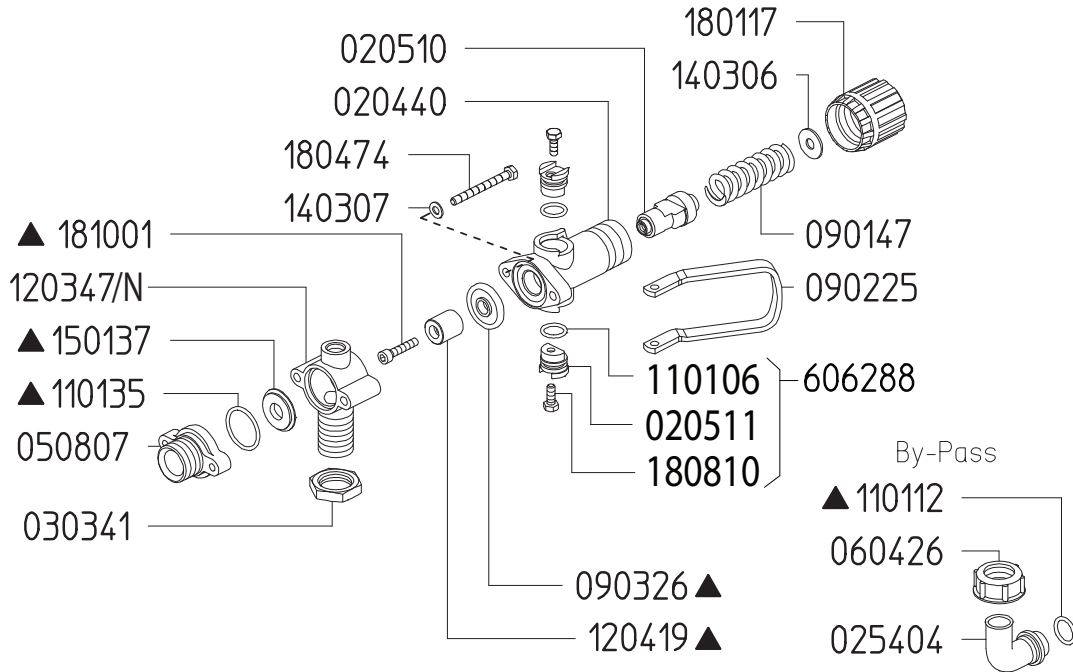
1. Before operating or re-operating pump, lift R.V. Handle (0902.01) so pump will start at zero pressure.
FAILURE TO DO SO WILL VOID PUMP WARRANTY.
2. Turn Pressure Adjustment Knob (1801.01) counter-clockwise to relieve spring tension. (Step 2 is only necessary on initial start-up and is not necessary for daily operation.)
3. Start unit and let run until air is evacuated from system, when only liquid is expelled from the bypass line.
4. Return R.V. Handle (0902.01) to down position. Open spray gun or spray boom and turn adjustment knob (1801.01) clockwise until desired operating pressure is achieved.

6005.31-LP/N

Adjustable Pressure Regulator

Maximum Flow	32.0 GPM / 121 lpm
Maximum Pressure	350 PSI / 24 bar
Inlet Port - Hose Barb	3/4" Male NPT
Outlet Port	-
Bypass - Hose Barb	3/4" HB

606293	
KIT 593	
▲	
CODE	QTY
090326	1
110112	1
110135	1
120419	1
150137	1
181001	1



Revised 11-17-2021

Part #	Description	Qty
0204.40	VALVE BODY	1
0205.10	VALVE CYLINDER	1
0205.11	VALVE CYLINDER CAM	2
0254.04	BYPASS HOSE BARB	1
0303.41	NUT	1
0508.07	BYPASS FLANGE	1
0604.26	BYPASS BARB NUT	1
0901.47	SPRING (LOW PRESSURE)	1
0902.25	DUMP VALVE LEVER	1
0903.26	DIAPHRAGM ▲	1
1101.06	O-RING ▲	2
1101.12	O-RING ▲	1
1101.41	O-RING ▲	1

Part #	Description	Qty
1203.47/N	3/4" MNPT ELBOW (6005.31/N & 6005.31/LP-N)	1
1204.19	STEEL POPPET ▲	1
1403.06	WASHER	1
1403.07	WASHER	2
1501.37	SEAT ▲	1
1801.17	ADJUSTMENT KNOB	1
1804.74	BOLT	2
1810.01	STAINLESS STEEL BOLT ▲	1
6062.88	REGULATOR CAM KIT	2
6062.93	REPAIR KIT FOR 6005.31 CONTROL UNIT (KIT 593)	1

▲ Parts included in Repair Kit #6062.93 (KIT 593)

The control unit features a manual dump valve and pressure control knob

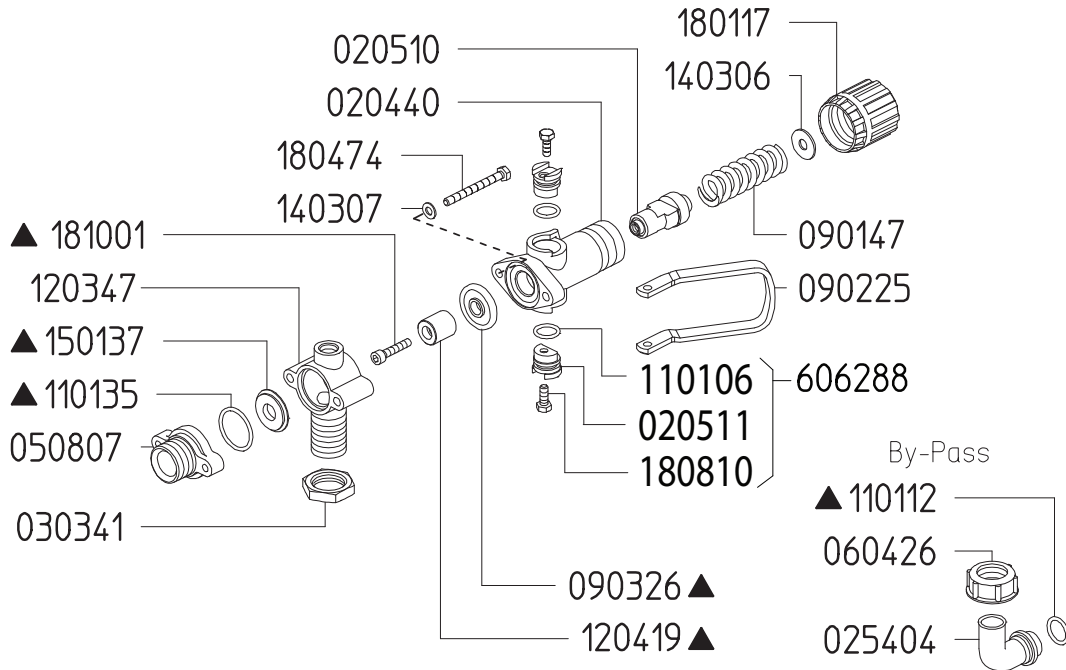
1. Before operating or re-operating the pump, push the manual dump valve lever (0902.25) down, so the pump will start at zero pressure. FAILURE TO DO SO WILL VOID PUMP WARRANTY.
2. Turn pressure adjustment knob (1801.17) counterclockwise to relieve spring tension. NOTE: Step 2 applies only to initial start-up, and is not necessary in daily operation of pump.
3. Start unit and let run until air is evacuated from system, when only liquid is expelled from the bypass line.
4. Return dump valve lever to the UP position. Open spray gun or spray boom and turn the pressure adjustment knob (1801.17) clockwise until desired operating pressure is achieved.

6005.31-LP

Adjustable Pressure Regulator

Maximum Flow	32.0 GPM / 121 lpm
Maximum Pressure	350 PSI / 24 bar
Inlet Port - Hose Barb	3/4" Male BSP
Outlet Port	-
Bypass - Hose Barb	3/4" HB

606293	
KIT 593	
▲	
CODE	QTY
090326	1
110112	1
110135	1
120419	1
150137	1
181001	1



Revised 11-17-2021

Part #	Description	Qty
0202.25	BYPASS HOSE BARB - STRAIGHT (OPTIONAL)	1
0204.40	VALVE BODY	1
0205.10	VALVE CYLINDER	1
0205.11	VALVE CYLINDER CAM	2
0254.04	BYPASS HOSE BARB - ELBOW	1
0303.41	NUT	1
0508.07	BYPASS FLANGE	1
0604.26	BYPASS BARB NUT	1
0901.47	SPRING (LOW PRESSURE)	1
0902.25	DUMP VALVE LEVER	1
0903.26	DIAPHRAGM ▲	1
1101.06	O-RING ▲	2
1101.12	O-RING ▲	1

Part #	Description	Qty
1101.41	O-RING ▲	1
1203.47	ELBOW	1
1204.19	STEEL POPPET ▲	1
1403.06	WASHER	1
1403.07	WASHER	2
1501.37	SEAT ▲	1
1801.17	ADJUSTMENT KNOB	1
1804.74	BOLT	2
1810.01	STAINLESS STEEL BOLT ▲	1
6062.88	REGULATOR CAM KIT	2
6062.93	REPAIR KIT FOR 6005.31 CONTROL UNIT (KIT 593)	1

▲ Parts included in Repair Kit #6062.93 (KIT 593)

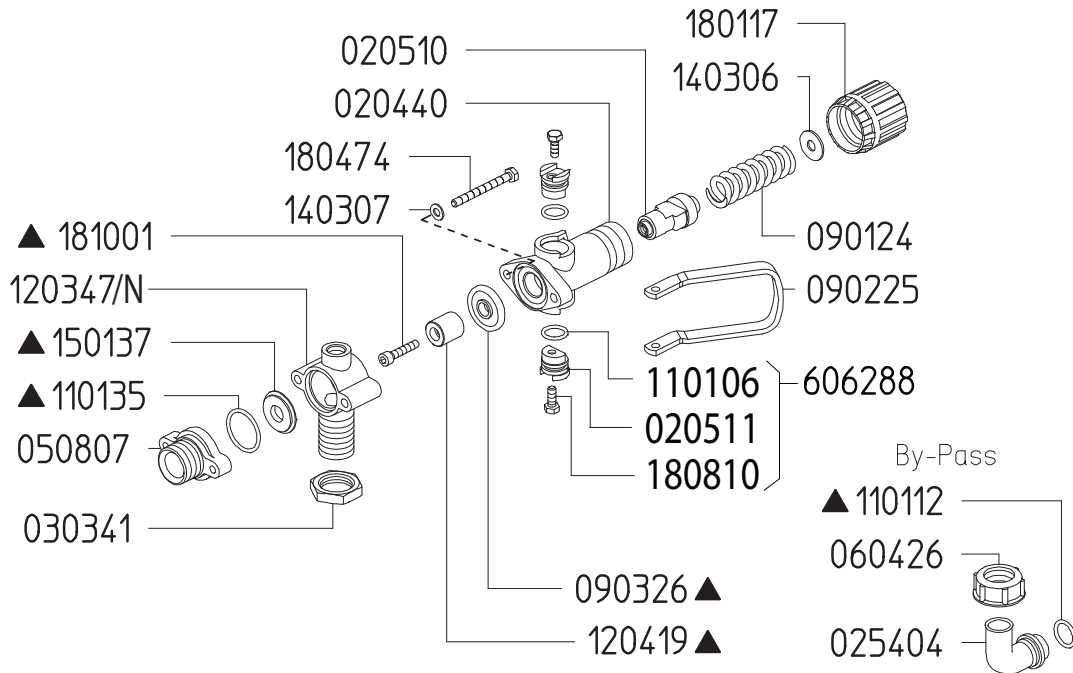
The control unit features a manual dump valve and pressure control knob

1. Before operating or re-operating the pump, push the manual dump valve lever (0902.25) down, so the pump will start at zero pressure. FAILURE TO DO SO WILL VOID PUMP WARRANTY.
2. Turn pressure adjustment knob (1801.17) counterclockwise to relieve spring tension. NOTE: Step 2 applies only to initial start-up, and is not necessary in daily operation of pump.
3. Start unit and let run until air is evacuated from system, when only liquid is expelled from the bypass line.
4. Return dump valve lever to the UP position. Open spray gun or spray boom and turn the pressure adjustment knob (1801.17) clockwise until desired operating pressure is achieved.

Adjustable Pressure Regulator

Maximum Flow	32.0 GPM / 121 lpm
Maximum Pressure	600 PSI / 41 bar
Inlet Port - Hose Barb	3/4" Male NPT
Outlet Port	-
Bypass - Hose Barb	3/4" HB

606293	
KIT 593	
▲	
<i>CODE</i>	<i>QTY</i>
090326	1
110112	1
110135	1
120419	1
150137	1
181001	1



Revised 11-17-2021

Part #	Description	Qty
0202.25	BYPASS HOSE BARB - STRAIGHT (OPTIONAL)	1
0204.40	VALVE BODY	1
0205.10	VALVE CYLINDER	1
0205.11	VALVE CYLINDER CAM	2
0254.04	BYPASS HOSE BARB - ELBOW	1
0303.41	NUT	1
0508.07	BYPASS FLANGE	1
0604.26	BYPASS BARB NUT	1
0901.24	SPRING (HIGH PRESSURE)	1
0902.25	DUMP VALVE LEVER	1
0903.26	DIAPHRAGM ▲	1
1101.06	O-RING ▲	2
1101.12	O-RING ▲	1
1101.41	O-RING ▲	1

Part #	Description	Qty
1203.47/N	3/4" MNPT ELBOW (6005.31/N & 6005.31/LP-N)	1
1204.19	STEEL POPPET ▲	1
1403.06	WASHER	1
1403.07	WASHER	2
1501.37	SEAT ▲	1
1801.17	ADJUSTMENT KNOB	1
1804.74	BOLT	2
1810.01	STAINLESS STEEL BOLT ▲	1
6062.88	REGULATOR CAM KIT	2
6062.93	REPAIR KIT FOR 6005.31 CONTROL UNIT (KIT 593)	1

▲ Parts included in Repair Kit #6062.93 (KIT 593)

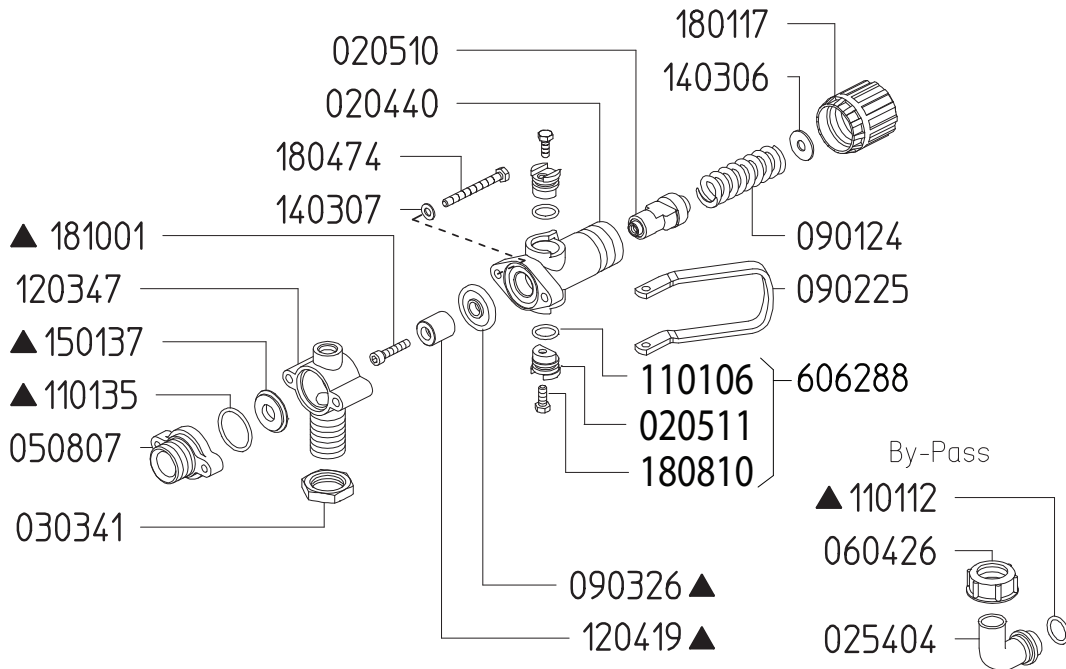
The control unit features a manual dump valve and pressure control knob

1. Before operating or re-operating the pump, push the manual dump valve lever (0902.25) down, so the pump will start at zero pressure. FAILURE TO DO SO WILL VOID PUMP WARRANTY.
2. Turn pressure adjustment knob (1801.17) counterclockwise to relieve spring tension. NOTE: Step 2 applies only to initial start-up, and is not necessary in daily operation of pump.
3. Start unit and let run until air is evacuated from system, when only liquid is expelled from the bypass line.
4. Return dump valve lever to the UP position. Open spray gun or spray boom and turn the pressure adjustment knob (1801.17) clockwise until desired operating pressure is achieved.

Adjustable Pressure Regulator

Maximum Flow	32.0 GPM / 121 lpm
Maximum Pressure	600 PSI / 41 bar
Inlet Port - Hose Barb	3/4" Male BSP
Outlet Port	-
Bypass - Hose Barb	3/4" HB

606293	
KIT 593	
▲	
<i>CODE</i>	<i>QTY</i>
090326	1
110112	1
110135	1
120419	1
150137	1
181001	1



Revised 11-17-2021

Part #	Description	Qty
0202.25	BYPASS HOSE BARB - STRAIGHT (OPTIONAL)	1
0204.40	VALVE BODY	1
0205.10	VALVE CYLINDER	1
0205.11	VALVE CYLINDER CAM	2
0254.04	BYPASS HOSE BARB - ELBOW	1
0303.41	NUT	1
0508.07	BYPASS FLANGE	1
0604.26	BYPASS BARB NUT	1
0901.24	SPRING (HIGH PRESSURE)	1
0902.25	DUMP VALVE LEVER	1
0903.26	DIAPHRAGM ▲	1
1101.06	O-RING ▲	2
1101.12	O-RING ▲	1

Part #	Description	Qty
1101.41	O-RING ▲	1
1203.47	ELBOW	1
1204.19	STEEL POPPET ▲	1
1403.06	WASHER	1
1403.07	WASHER	2
1501.37	SEAT ▲	1
1801.17	ADJUSTMENT KNOB	1
1804.74	BOLT	2
1810.01	STAINLESS STEEL BOLT ▲	1
6062.88	REGULATOR CAM KIT	2
6062.93	REPAIR KIT FOR 6005.31 CONTROL UNIT (KIT 593)	1

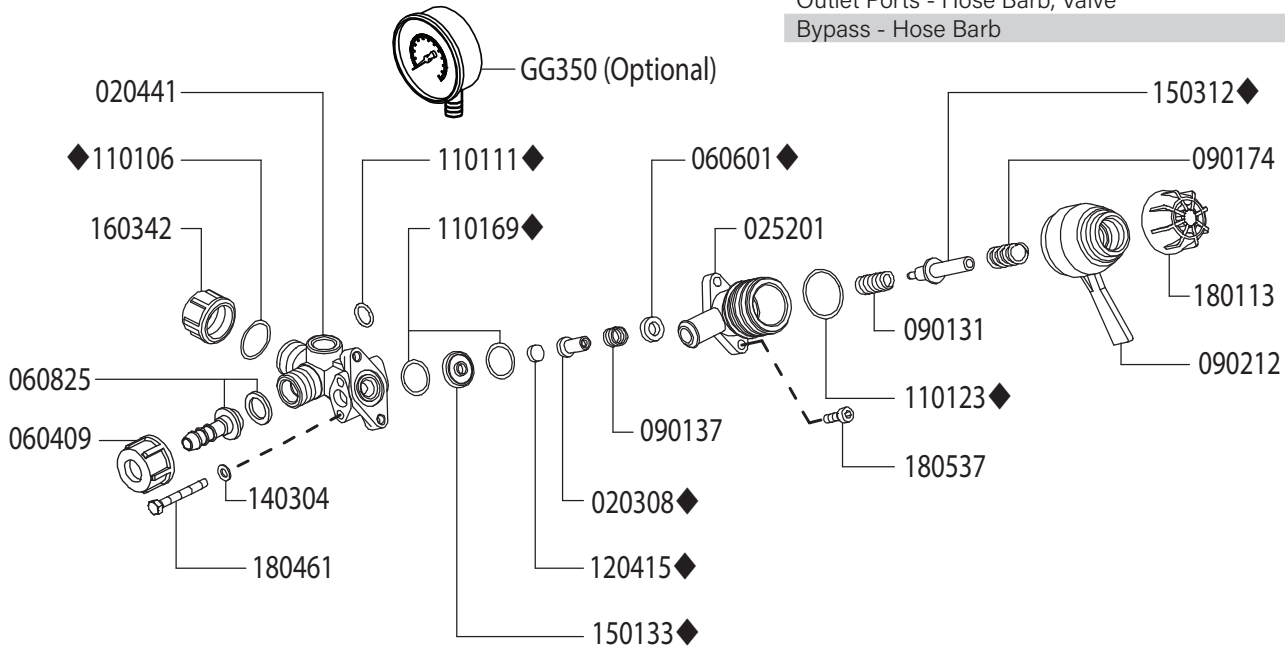
▲ Parts included in Repair Kit #6062.93 (KIT 593)

The control unit features a manual dump valve and pressure control knob

1. Before operating or re-operating the pump, push the manual dump valve lever (0902.25) down, so the pump will start at zero pressure. FAILURE TO DO SO WILL VOID PUMP WARRANTY.
2. Turn pressure adjustment knob (1801.17) counterclockwise to relieve spring tension. NOTE: Step 2 applies only to initial start-up, and is not necessary in daily operation of pump.
3. Start unit and let run until air is evacuated from system, when only liquid is expelled from the bypass line.
4. Return dump valve lever to the UP position. Open spray gun or spray boom and turn the pressure adjustment knob (1801.17) clockwise until desired operating pressure is achieved.

Adjustable Pressure Regulator

Maximum Flow	5.0 GPM / 19 lpm
Maximum Pressure	275 PSI / 19 bar
Inlet Port - Hose Barb	-
Outlet Ports - Hose Barb, Valve	3/8" HB
Bypass - Hose Barb	-



Revised 11-17-2021

Part #	Description	Qty
0203.08	VALVE COLLAR ◆	1
0204.41	VALVE BODY	1
0252.01	BYPASS BODY	1
0604.09	DISCHARGE BARB NUT	1
0606.01	SEAL ◆	1
0608.25	DISCHARGE BARB	1
0901.06	SPRING	1
0901.31	SPRING	1
0901.37	SPRING	1
0902.12	REGULATOR HANDLE	1
1101.06	O-RING ◆	1
1101.11	O-RING ◆	1
1101.23	O-RING ◆	1

Part #	Description	Qty
1101.69	O-RING ◆	2
1204.15	POPPET ◆	1
1403.04	WASHER	2
1501.33	SEAT ◆	1
1503.12	STEM ◆	1
1603.42	CAP	1
1801.13	ADJUSTMENT KNOB	1
1804.61	BOLT	2
1805.37	BOLT	2
GG350	LOW PRESSURE GAUGE (OPTIONAL)	1
8701.01	REPAIR KIT	1

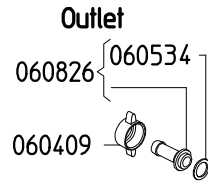
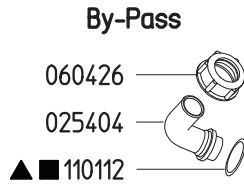
◆ Parts included in repair kit #8701.01

1. Before operating or re-operating the pump, push the manual dump valve lever (0902.12) counter-clockwise to the dump position. **FAILURE TO DO SO WILL VOID PUMP WARRANTY.**
2. Turn the pressure adjustment knob (1801.13) counter-clockwise to relieve spring tension.
NOTE: Step 2 applies only to initial start-up, and is not necessary in daily operation of pump.
3. Start unit and let run until air is evacuated from system, when only liquid is expelled from the bypass line
4. Turn dump valve lever clockwise to ON position. Open spray gun or spray boom and turn the pressure adjustment knob clockwise until desired operating pressure is achieved.

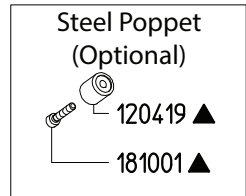
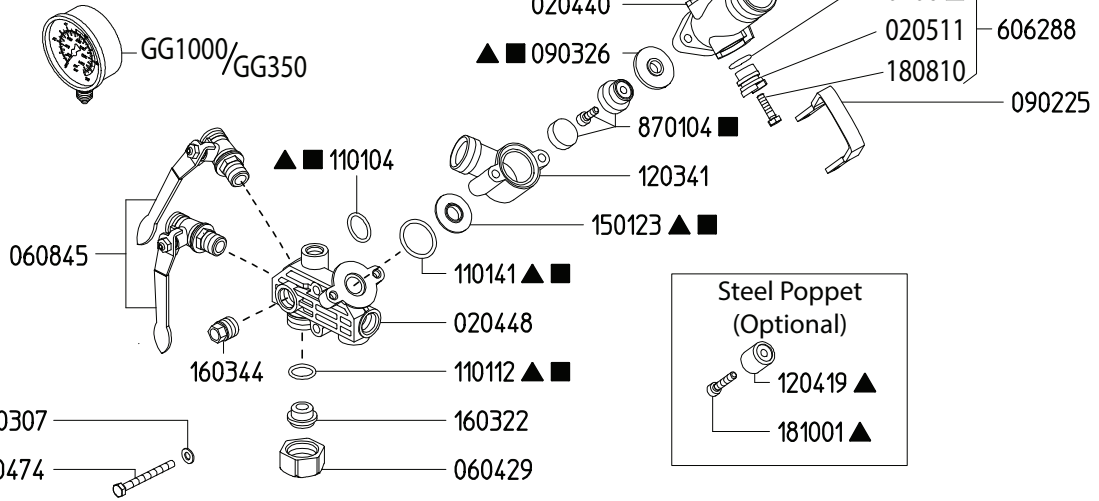
6010.24 & 6010.24/LP

Pump Mounted Adjustable Pressure Regulators

606253		606255	
KIT 552		KIT 554	
Optional ▲		■	
CODE	QTY	CODE	QTY
090326	1	090326	1
110104	1	110104	1
110112	2	110106	2
110141	1	110112	2
120419	1	110141	1
150123	1	150123	1
181001	1	870104	1



6010.24	Maximum Flow	27.0 GPM / 102 lpm
	Maximum Pressure	560 PSI / 38 bar
6010.24/LP	Maximum Flow	27.0 GPM / 102 lpm
	Maximum Pressure	350 PSI / 24 bar
	Inlet Port - Hose Barb	-
	Outlet Ports - Hose Barb, Valve	(2) 1/2" HB
	Bypass - Hose Barb	3/4" HB



Revised 3-14-2022

Part #	Description	Qty
0202.25	BYPASS HOSE BARB - STRAIGHT (OPTIONAL)	1
0204.40	VALVE BODY	1
0204.48	MAIN BODY	1
0205.10	VALVE CYLINDER	1
0205.11	VALVE CYLINDER CAM	2
0254.04	BYPASS HOSE BARB - ELBOW	1
0604.09	DISCHARGE BARB NUT	2
0604.26	BYPASS BARB NUT	1
0604.29	BARB NUT	1
0605.34	GASKET	2
0608.26	1/2" HOSE BARB W/GASKET	2
0608.45	BALL VALVE; RIGHT	2
0901.24	HIGH PRESSURE SPRING "6010.24"	1
0901.47	LOW PRESSURE SPRING "6010.24/LP"	1
0902.25	DUMP VALVE LEVER	1
0903.26	DIAPHRAGM ▲■	1
1101.04	O-RING ▲■	1
1101.06	O-RING ■	2
1101.12	O-RING ▲■	2
1101.41	O-RING ▲■	1

Part #	Description	Qty
1203.41	BODY	1
1204.19	STEEL POPPET - OPTIONAL ▲	1
1403.06	WASHER	1
1403.07	WASHER	4
1501.23	SEAT ▲■	1
1603.22	PLUG	1
1603.44	PLUG	2
1801.17	ADJUSTMENT KNOB	1
1804.74	BOLT	4
1808.10	BOLT	2
1810.01	STAINLESS STEEL BOLT - OPTIONAL ▲	1
6062.88	REGULATOR CAM KIT	2
8701.04	URETHANE POPPET ASSEMBLY ■	1
GG1000	HIGH PRESSURE GAUGE - 1000 PSI "6010.24"	1
GG350	LOW PRESSURE GAUGE - 350 PSI "6010.24/LP"	1
6062.53	REPAIR KIT - STEEL POPPET (KIT 552) OPTIONAL	1
6062.55	REPAIR KIT - 6010.24/LP (KIT 554)	1

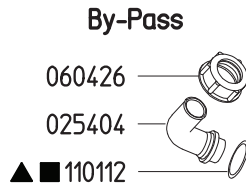
▲ Parts Included in Repair Kit 6062.53 (KIT 552)
 ■ Parts Included in Repair Kit 6062.55 (KIT 554)

- Before operating or re-operating the pump, push the manual dump valve lever (0902.25) down, so the pump will start at zero pressure. FAILURE TO DO SO WILL VOID PUMP WARRANTY.
- Turn pressure adjustment knob (1801.17) counterclockwise to relieve spring tension. NOTE: Step 2 applies only to initial start-up, and is not necessary in daily operation of pump.
- Start unit and let run until air is evacuated from system, when only liquid is expelled from the bypass line.
- Return dump valve lever to the UP position. Open spray gun or spray boom and turn the pressure adjustment knob (1801.17) clockwise until desired operating pressure is achieved.

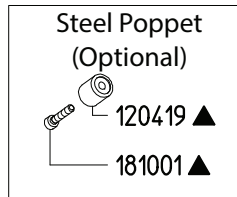
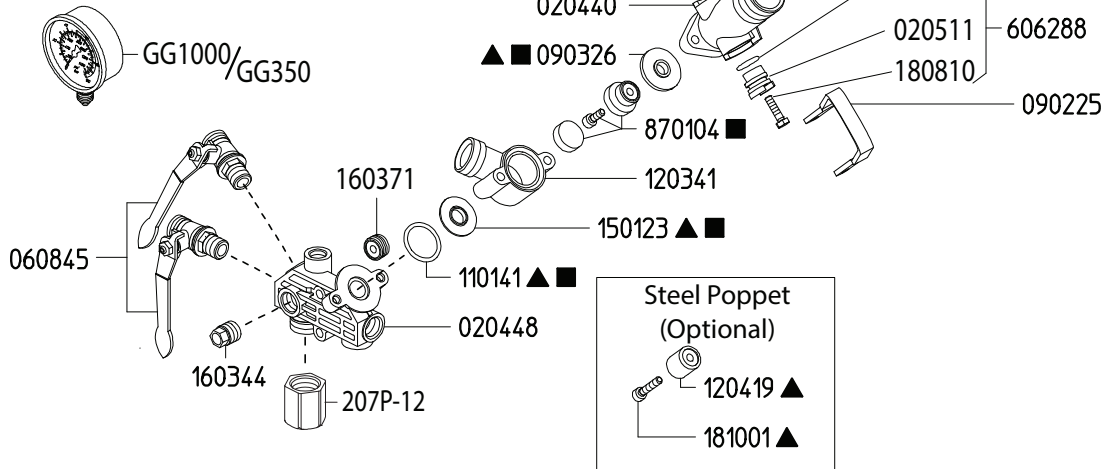
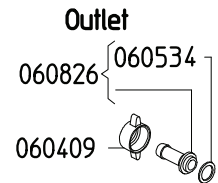
6010.25 & 6010.25/HP

Adjustable Pressure Regulators

606253		606255	
KIT 552		KIT 554	
Optional ▲		■	
CODE	Q.TY	CODE	Q.TY
090326	1	090326	1
110104	1	110104	1
110112	2	110106	2
110141	1	110112	2
120419	1	110141	1
150123	1	150123	1
181001	1	870104	1



6010.25/HP	Maximum Flow	27.0 GPM / 102 lpm
	Maximum Pressure	560 PSI / 38 bar
6010.25	Maximum Flow	27.0 GPM / 102 lpm
	Maximum Pressure	350 PSI / 24 bar
	Inlet Port - Hose Barb	3/4" FNPT
	Outlet Ports - Hose Barb, Valve	(2) 1/2" HB
	Bypass - Hose Barb	3/4" HB



Revised 3-14-2022

Part #	Description	Qty
0202.25	BYPASS HOSE BARB - STRAIGHT (OPTIONAL)	1
207P-12	3/4" INLET ADAPTER	1
0204.40	VALVE BODY	1
0204.48	MAIN BODY	1
0205.10	VALVE CYLINDER	1
0205.11	VALVE CYLINDER CAM	2
0254.04	BYPASS HOSE BARB - ELBOW	1
0604.09	DISCHARGE BARB NUT	2
0604.26	BYPASS BARB NUT	1
0604.29	INLET BARB NUT	1
0605.34	GASKET	2
0608.26	1/2" HOSE BARB W/GASKET	2
0608.45	BALL VALVE; RIGHT	2
0901.24	HIGH PRESSURE SPRING "6010.25/HP"	1
0901.47	LOW PRESSURE SPRING "6010.25"	1
0902.25	DUMP VALVE LEVER	1
0903.26	DIAPHRAGM ▲■	1
1101.06	O-RING ■	2
1101.12	O-RING ▲■	2
1101.41	O-RING ▲■	1

Part #	Description	Qty
1203.41	BODY	1
1204.19	STEEL POPPET - OPTIONAL ▲	1
1403.06	WASHER	1
1403.07	WASHER	4
1501.23	SEAT ▲■	1
1603.22	PLUG	1
1603.44	PLUG	2
1603.71	BODY PLUG	1
1801.17	ADJUSTMENT KNOB	1
1804.74	BOLT	4
1808.10	BOLT	2
1810.01	STAINLESS STEEL BOLT - OPTIONAL ▲	1
6062.88	REGULATOR CAM KIT	2
8701.04	URETHANE POPPET ASSEMBLY ■	1
GG1000	PRESSURE GAUGE - 1000 PSI "6010.25/HP"	1
GG350	PRESSURE GAUGE - 350 PSI "6010.25"	1
6062.53	REPAIR KIT - STEEL POPPET (KIT 552) OPTIONAL	1
6062.55	REPAIR KIT (KIT 554)	1

▲ Parts Included in Repair Kit 6062.53 (KIT 552)

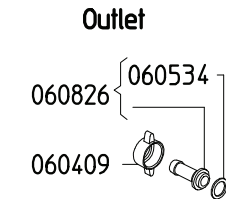
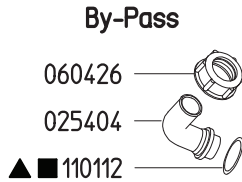
■ Parts Included in Repair Kit 6062.55 (KIT 554)

1. Before operating or re-operating the pump, push the manual dump valve lever (0902.25) down, so the pump will start at zero pressure. FAILURE TO DO SO WILL VOID PUMP WARRANTY.
2. Turn pressure adjustment knob (1801.17) counterclockwise to relieve spring tension. NOTE: Step 2 applies only to initial start-up, and is not necessary in daily operation of pump.
3. Start unit and let run until air is evacuated from system, when only liquid is expelled from the bypass line.
4. Return dump valve lever to the UP position. Open spray gun or spray boom and turn the pressure adjustment knob (1801.17) clockwise until desired operating pressure is achieved.

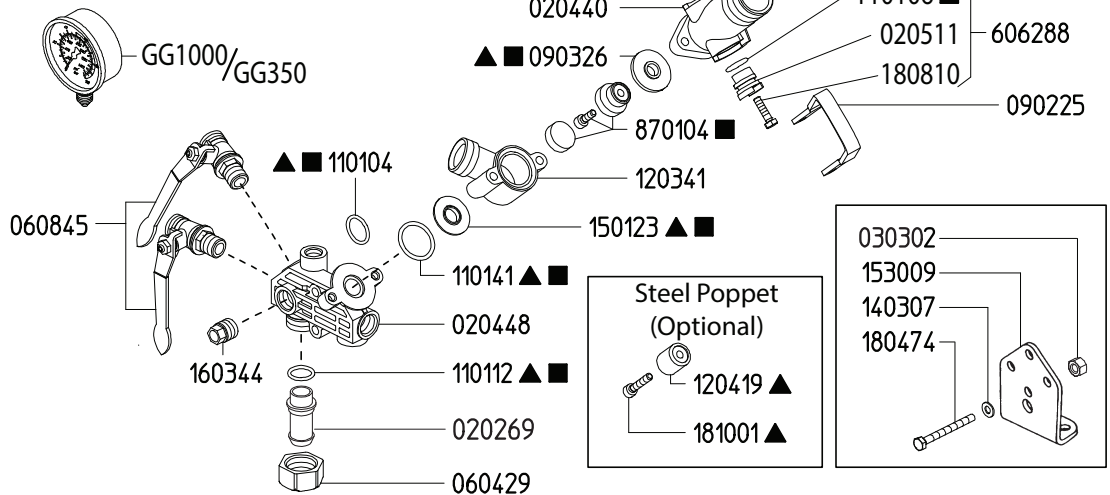
6010.26 & 6010.26/HP

Remote Mounted Adjustable Pressure Regulators

606253		606255	
KIT 552		KIT 554	
Optional ▲		■	
CODE	Q.TY	CODE	Q.TY
090326	1	090326	1
110104	1	110104	1
110112	2	110106	2
110141	1	110112	2
120419	1	110141	1
150123	1	150123	1
181001	1	870104	1



6010.26/HP	Maximum Flow	27.0 GPM / 102 lpm
	Maximum Pressure	560 PSI / 38 bar
6010.26	Maximum Flow	27.0 GPM / 102 lpm
	Maximum Pressure	350 PSI / 24 bar
	Inlet Port - Hose Barb	3/4" HB
	Outlet Ports - Hose Barb, Valve	(2) 1/2" HB
	Bypass - Hose Barb	3/4" HB



Revised 3-14-2022

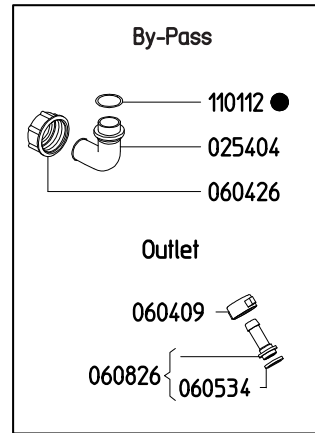
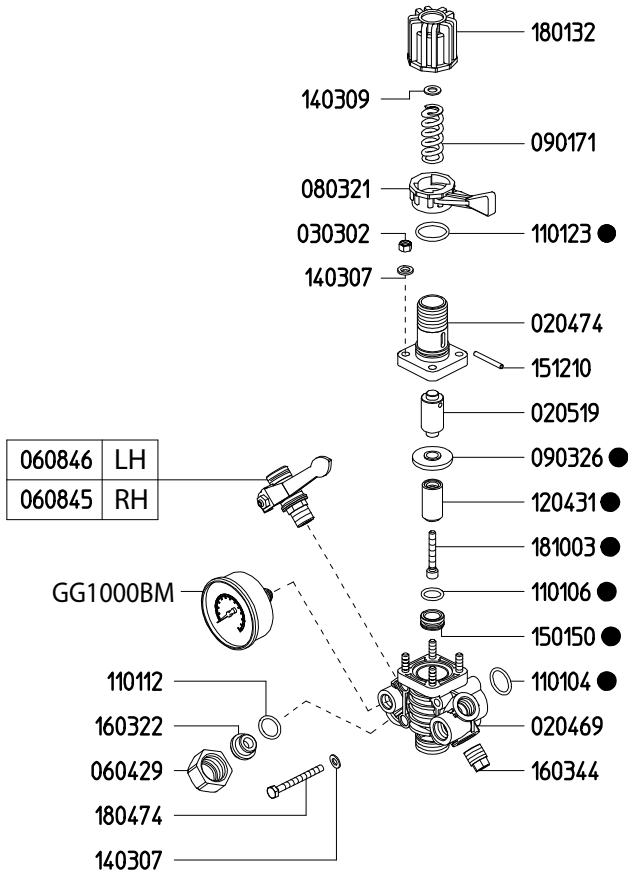
Part #	Description	Qty	Part #	Description	Qty
0202.25	BYPASS HOSE BARB - STRAIGHT (OPTIONAL)	1	1203.41	BODY	1
0204.40	VALVE BODY	1	1204.19	STEEL POPPET - OPTIONAL ▲	1
0204.48	MAIN BODY	1	1403.06	WASHER	1
0205.10	VALVE CYLINDER	1	1403.07	WASHER	4
0205.11	VALVE CYLINDER CAM	2	1501.23	SEAT ▲■	1
0254.04	BYPASS HOSE BARB - ELBOW	1	1530.09	MOUNTING PLATE	1
0303.02	NUT	2	1603.22	PLUG	1
0604.09	DISCHARGE BARB NUT	2	1603.44	PLUG	2
0604.26	BYPASS BARB NUT	1	1801.17	ADJUSTMENT KNOB	1
0604.29	BARB NUT	1	1804.74	BOLT	4
0605.34	GASKET	2	1808.10	BOLT	2
0608.26	1/2" HOSE BARB W/GASKET	2	6062.88	REGULATOR CAM KIT	2
0608.45	BALL VALVE; RIGHT	2	1810.01	STAINLESS STEEL BOLT - OPTIONAL ▲	1
0901.24	HIGH PRESSURE SPRING "6010.26/HP"	1	8701.04	URETHANE POPPET ASSEMBLY ■	1
0901.47	LOW PRESSURE SPRING "6010.26"	1	GG1000	PRESSURE GAUGE - 1000 PSI "6010.26/HP"	1
0902.25	DUMP VALVE LEVER	1	GG350	PRESSURE GAUGE - 350 PSI "6010.26"	1
0903.26	DIAPHRAGM ▲■	1	6062.53	REPAIR KIT - STEEL POPPET (KIT 552) OPTIONAL	1
1101.04	O-RING ▲■	1	6062.55	REPAIR KIT (KIT 554)	1
1101.06	O-RING ■	2			
1101.12	O-RING ▲■	2			
1101.41	O-RING ▲■	1			

▲ Parts Included in Repair Kit 6062.53 (KIT 552)
 ■ Parts Included in Repair Kit 6062.55 (KIT 554)

- Before operating or re-operating the pump, push the manual dump valve lever (0902.25) down, so the pump will start at zero pressure. FAILURE TO DO SO WILL VOID PUMP WARRANTY.
- Turn pressure adjustment knob (1801.17) counterclockwise to relieve spring tension. NOTE: Step 2 applies only to initial start-up, and is not necessary in daily operation of pump.
- Start unit and let run until air is evacuated from system, when only liquid is expelled from the bypass line.
- Return dump valve lever to the UP position. Open spray gun or spray boom and turn the pressure adjustment knob (1801.17) clockwise until desired operating pressure is achieved.

Adjustable Pressure Regulator

Maximum Flow	27.0 GPM / 102 lpm
Maximum Pressure	560 PSI / 38 bar
Inlet Port - Hose Barb	-
Outlet Ports - Hose Barb, Valve	(2) 1/2" HB
Bypass - Hose Barb	3/4" HB



6062A9	
KIT 608	
CODE	QTY
090326	1
110104	1
110106	1
110112	1
110123	1
120431	1
150150	1
181003	1

Revised 1-21-2022

Part #	Description	Qty
0202.25	BYPASS HOSE BARB - STRAIGHT (OPTIONAL)	1
0204.69	BODY	1
0204.70	BODY	1
0205.19	CYLINDER	1
0254.04	BYPASS HOSE BARB - ELBOW	1
0303.02	NUT	4
0604.09	BARB NUT	2
0604.26	BYPASS BARB NUT	1
0604.29	NUT	1
0605.34	GASKET	2
0608.26	1/2" HOSE BARB W/GASKET	2
0608.45	BALL VALVE - RIGHT	1
0608.46	BALL VALVE - LEFT	1
0803.21	LEVER	1
0901.71	SPRING (HP 560 PSI)	1
0903.26	DIAPHRAGM ●	1
1101.04	O-RING ●	1

Part #	Description	Qty
1101.06	O-RING ●	1
1101.12	O-RING ●	2
1101.23	O-RING ●	1
1204.31	POPPET ●	1
1403.07	WASHER	6
1501.50	SEAT ●	1
1512.10	PIN	1
1603.22	PLUG	1
1603.44	PLUG	1
1801.32	ADJUSTMENT KNOB	1
1804.74	BOLT	2
1810.03	STAINLESS STEEL BOLT ●	1
6062.A9	REPAIR KIT FOR 6010.9X CONTROL UNIT (KIT 608)	1
GG1000BM	PRESSURE GAUGE - 1000 PSI BACK MOUNT	1

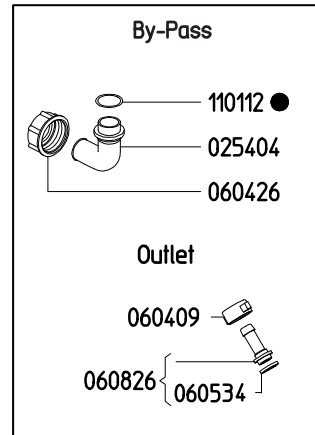
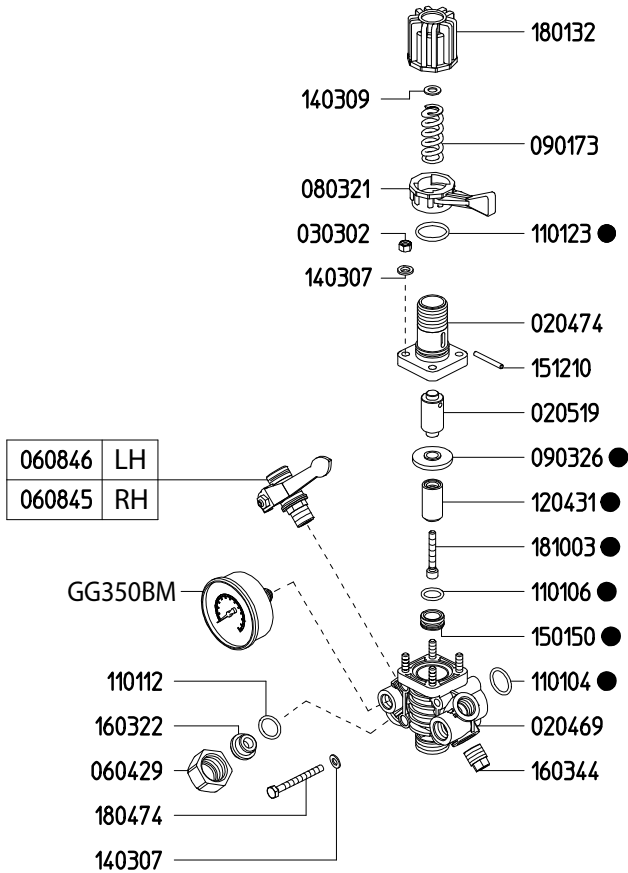
● Parts Included in Repair Kit #6062.A9 (KIT 608)

The control unit features a manual dump valve, pressure control knob, glycerine filled pressure gauge, and two ball valve discharge ports.

1. Before operating or re-operating the pump move lever (0803.21) to the dump position (Right) so the pump will start at zero pressure. (Failure to do so will void the pump warranty.)
2. Turn pressure adjustment knob (1801.32) counter clockwise to relieve spring tension. This step only applies to the initial start up and is not necessary in daily operation of pump.
3. Start unit and let run until air is evacuated from the system.
4. Move lever (0803.21) to the pressure position (Left) open spray gun or spray boom and turn the pressure adjustment knob (1801.32) clockwise until desired operating pressure is achieved.

Adjustable Pressure Regulator

Maximum Flow	27.0 GPM / 102 lpm
Maximum Pressure	350 PSI / 24 bar
Inlet Port - Hose Barb	-
Outlet Ports - Hose Barb, Valve	(2) 1/2" HB
Bypass - Hose Barb	3/4" HB



6062A9	
KIT 608	
CODE	QTY
090326	1
110104	1
110106	1
110112	1
110123	1
120431	1
150150	1
181003	1

Revised 1-21-2022

Part #	Description	Qty
0202.25	BYPASS HOSE BARB - STRAIGHT (OPTIONAL)	1
0204.69	BODY	1
0204.70	BODY	1
0205.19	CYLINDER	1
0254.04	BYPASS HOSE BARB - ELBOW	1
0303.02	NUT	4
0604.09	BARB NUT	2
0604.26	BYPASS BARB NUT	1
0604.29	NUT	1
0605.34	GASKET	2
0608.26	1/2" HOSE BARB W/GASKET	2
0608.45	BALL VALVE - RIGHT	1
0608.46	BALL VALVE - LEFT	1
0803.21	LEVER	1
0901.73	SPRING (LP 300 PSI)	1
0903.26	DIAPHRAGM ●	1
1101.04	O-RING ●	1

Part #	Description	Qty
1101.06	O-RING ●	1
1101.12	O-RING ●	2
1101.23	O-RING ●	1
1204.31	POPPET ●	1
1403.07	WASHER	6
1501.50	SEAT ●	1
1512.10	PIN	1
1603.22	PLUG	1
1603.44	PLUG	1
1801.32	ADJUSTMENT KNOB	1
1804.74	BOLT	2
1810.03	STAINLESS STEEL BOLT ●	1
6062.A9	REPAIR KIT FOR 6010.9X CONTROL UNIT (KIT 608)	1
GG350BM	PRESSURE GAUGE - 350 PSI BACK MOUNT	1

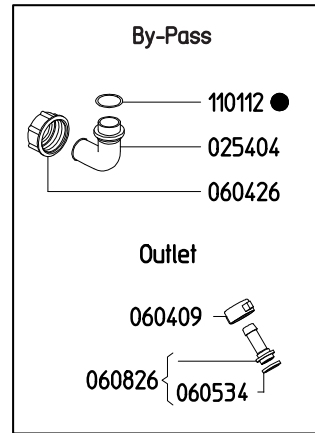
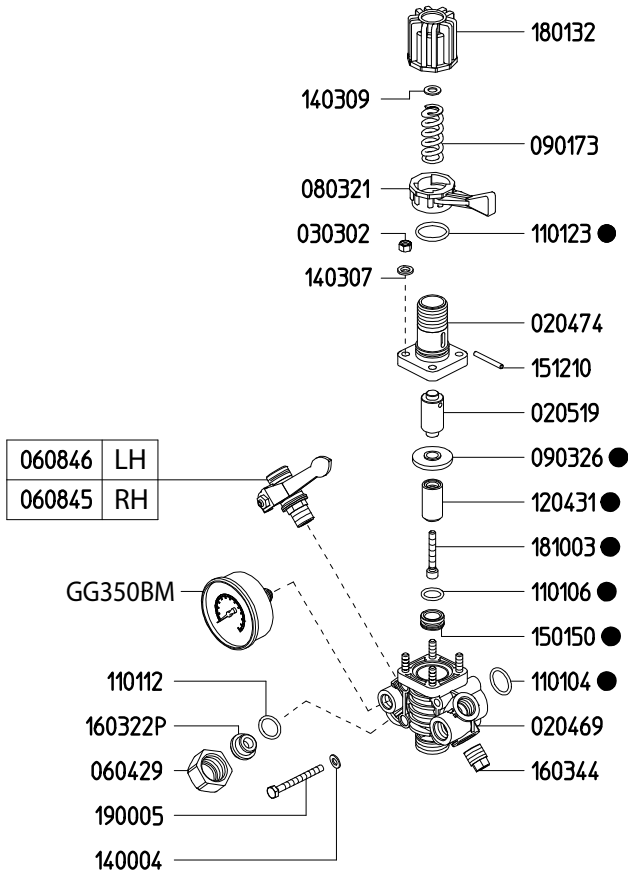
● Parts Included in Repair Kit #6062.A9 (KIT 608)

The control unit features a manual dump valve, pressure control knob, glycerine filled pressure gauge, and two ball valve discharge ports.

1. Before operating or re-operating the pump move lever (0803.21) to the dump position (Right) so the pump will start at zero pressure. (Failure to do so will void the pump warranty.)
2. Turn pressure adjustment knob (1801.32) counter clockwise to relieve spring tension. This step only applies to the initial start up and is not necessary in daily operation of pump.
3. Start unit and let run until air is evacuated from the system.
4. Move lever (0803.21) to the pressure position (Left) open spray gun or spray boom and turn the pressure adjustment knob (1801.32) clockwise until desired operating pressure is achieved.

Adjustable Pressure Regulator

Maximum Flow	27.0 GPM / 102 lpm
Maximum Pressure	350 PSI / 24 bar
Inlet Port - Hose Barb	-
Outlet Ports - Hose Barb, Valve	(2) 1/2" HB
Bypass - Hose Barb	3/4" HB



6062A9	
KIT 608	
CODE	QTY
090326	1
110104	1
110106	1
110112	1
110123	1
120431	1
150150	1
181003	1

Revised 1-21-2022

Part #	Description	Qty
0202.25	BYPASS HOSE BARB - STRAIGHT (OPTIONAL)	1
0204.69	BODY	1
0204.70	BODY	1
0205.19	CYLINDER	1
0254.04	BYPASS HOSE BARB - ELBOW	1
0303.02	NUT	4
0604.09	BARB NUT	2
0604.26	BYPASS BARB NUT	1
0604.29	NUT	1
0605.34	GASKET	2
0608.26	1/2" HOSE BARB W/GASKET	2
0608.45	BALL VALVE - RIGHT	1
0608.46	BALL VALVE - LEFT	1
0803.21	LEVER	1
0901.73	SPRING (LP 300 PSI)	1
0903.26	DIAPHRAGM ●	1
0904.37	GG350BM - LOW PRESSURE GAUGE	1

Part #	Description	Qty
1101.04	O-RING ●	1
1101.06	O-RING ●	1
1101.12	O-RING ●	2
1101.23	O-RING ●	1
1204.31	POPPET ●	1
1400.04	WASHER S.S.	6
1501.50	SEAT ●	1
1512.10	PIN	1
1603.22P	PLUG - POLY	1
1603.44	PLUG	1
1801.32	ADJUSTMENT KNOB	1
1810.03	STAINLESS STEEL BOLT ●	1
1900.05	STAINLESS STEEL BOLT	2
6062.A9	REPAIR KIT FOR 6010.9X CONTROL UNIT (KIT 608)	

● Parts Included in Repair Kit #6062.A9 (KIT 608)

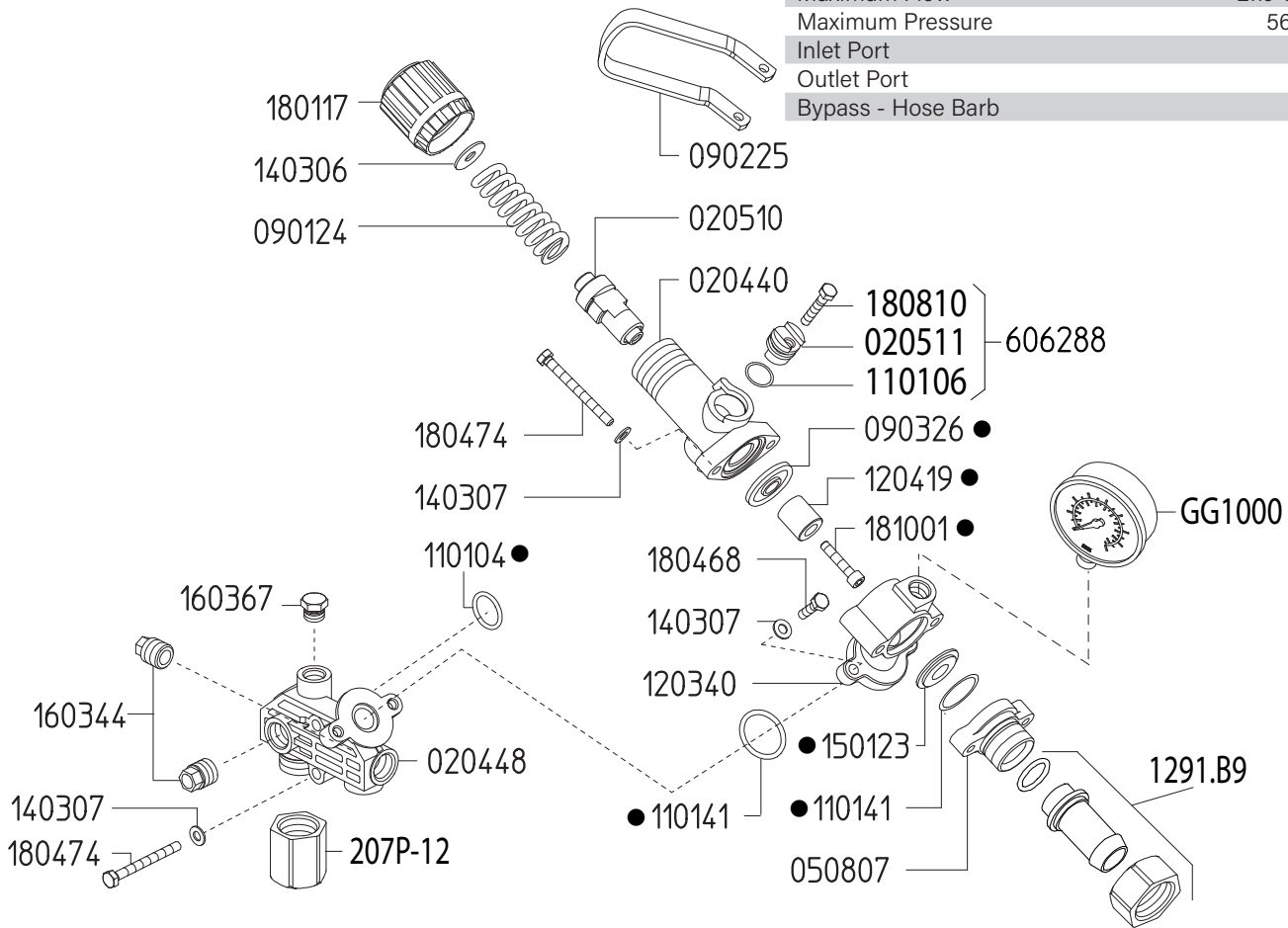
The control unit features a manual dump valve, pressure control knob, glycerine filled pressure gauge, and two ball valve discharge ports.

1. Before operating or re-operating the pump move lever (0803.21) to the dump position (Right) so the pump will start at zero pressure. (Failure to do so will void the pump warranty.)
2. Turn pressure adjustment knob (1801.32) counter clockwise to relieve spring tension. This step only applies to the initial start up and is not necessary in daily operation of pump.
3. Start unit and let run until air is evacuated from the system.
4. Move lever (0803.21) to the pressure position (Left) open spray gun or spray boom and turn the pressure adjustment knob (1801.32) clockwise until desired operating pressure is achieved.

6047.06/IND

Adjustable Pressure Regulator

Maximum Flow	270 GPM / 102 lpm
Maximum Pressure	560 PSI / 38 bar
Inlet Port	-
Outlet Port	3/4" FPT
Bypass - Hose Barb	3/4" HB



Revised 1-24-2022

Part #	Description	Qty
207P-12	3/4" INLET ADAPTER	1
0204.40	VALVE BODY	1
0204.48	MAIN BODY	1
0205.10	VALVE CYLINDER	1
0205.11	VALVE CYLINDER CAM	2
0508.07	BYPASS FLANGE	1
0604.09	DISCHARGE BARB NUT	2
0605.05	GASKET	2
0901.24	SPRING (HIGH PRESSURE)	1
0902.25	DUMP VALVE LEVER	1
0903.26	DIAPHRAGM ●	1
1101.04	O-RING ●	1
1101.06	O-RING	2
1101.12	O-RING	1
1101.41	O-RING ●	2
1203.40	ADAPTER FLANGE	1
1204.19	STEEL POPPET ●	1
1291.B9	DISCHARGE HOSE BARB ASSEMBLY	1

Part #	Description	Qty
1403.06	WASHER	1
1403.07	WASHER	6
1501.23	SEAT ●	1
1603.02	PLUG	2
1603.14	PLUG	1
1603.22	PLUG	1
1801.17	ADJUSTMENT KNOB	1
1804.68	BOLT	2
1804.74	BOLT	4
1808.10	BOLT	2
1810.01	STAINLESS STEEL BOLT ●	1
6062.53	REPAIR KIT FOR 6047.06 CONTROL UNIT	1
6062.88	REGULATOR CAM KIT	2
GG1000	PRESSURE GAUGE - 1000 PSI BOTTOM MOUNT	1

● Parts included in Repair Kit #6062.53

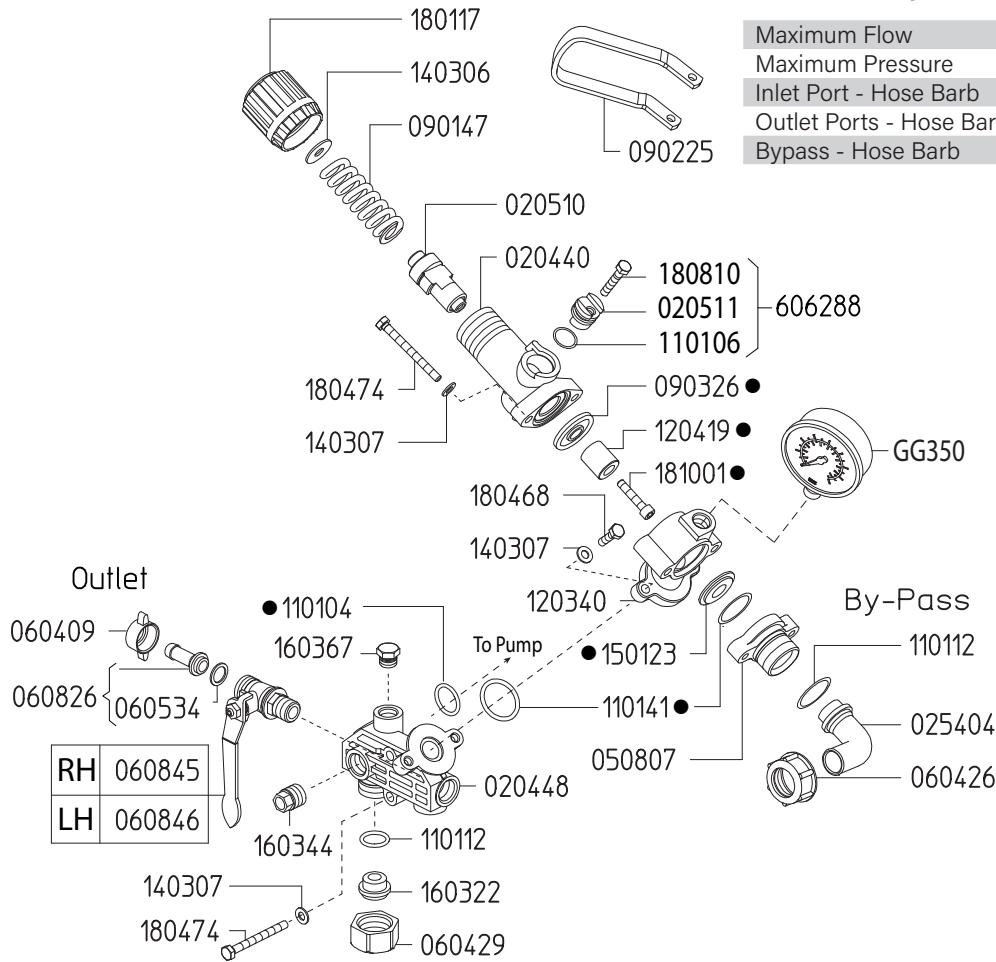
The control unit features a manual dump valve, pressure control knob, glycerine filled pressure gauge, and two ball valve discharge ports.

1. Before operating or re-operating pump, push the manual dump valve lever (0902.25) down so the pump will start at zero pressure. FAILURE TO DO SO WILL VOID PUMP WARRANTY.
2. Turn pressure adjusting knob (1801.17) counter-clockwise to relieve spring tension. NOTE: Step 2 applies only to initial start-up, and is not necessary in daily operation of pump.
3. Start unit and let run until air is evacuated from system, when only liquid is expelled from the by-pass line.
4. Return dump valve lever to the UP position. Open spray gun or spray boom and turn the pressure adjustment knob (1801.17) clockwise until desired operating pressure is achieved.

6047.06/LP

Adjustable Pressure Regulator

Maximum Flow	270 GPM / 102 lpm
Maximum Pressure	350 PSI / 24 bar
Inlet Port - Hose Barb	-
Outlet Ports - Hose Barb, Valve	(2) 1/2" HB
Bypass - Hose Barb	3/4" HB



Revised 1-24-2022

Part #	Description	Qty
0202.25	BYPASS HOSE BARB - STRAIGHT (OPTIONAL)	1
0204.40	VALVE BODY	1
0204.48	MAIN BODY	1
0205.10	VALVE CYLINDER	1
0205.11	VALVE CYLINDER CAM	2
0254.04	BYPASS HOSE BARB - ELBOW	1
0508.07	BYPASS FLANGE	1
0604.09	DISCHARGE BARB NUT	2
0604.26	BYPASS BARB NUT	1
0604.29	BARB NUT	1
0605.34	GASKET	2
0608.26	1/2" HOSE BARB W/GASKET	2
0608.45	BALL VALVE; RIGHT	1
0608.46	BALL VALVE; LEFT	1
0901.47	SPRING (LOW PRESSURE)	1
0902.25	DUMP VALVE LEVER	1
0903.26	DIAPHRAGM ●	1
1101.04	O-RING ●	1
1101.06	O-RING	2
1101.12	O-RING	1

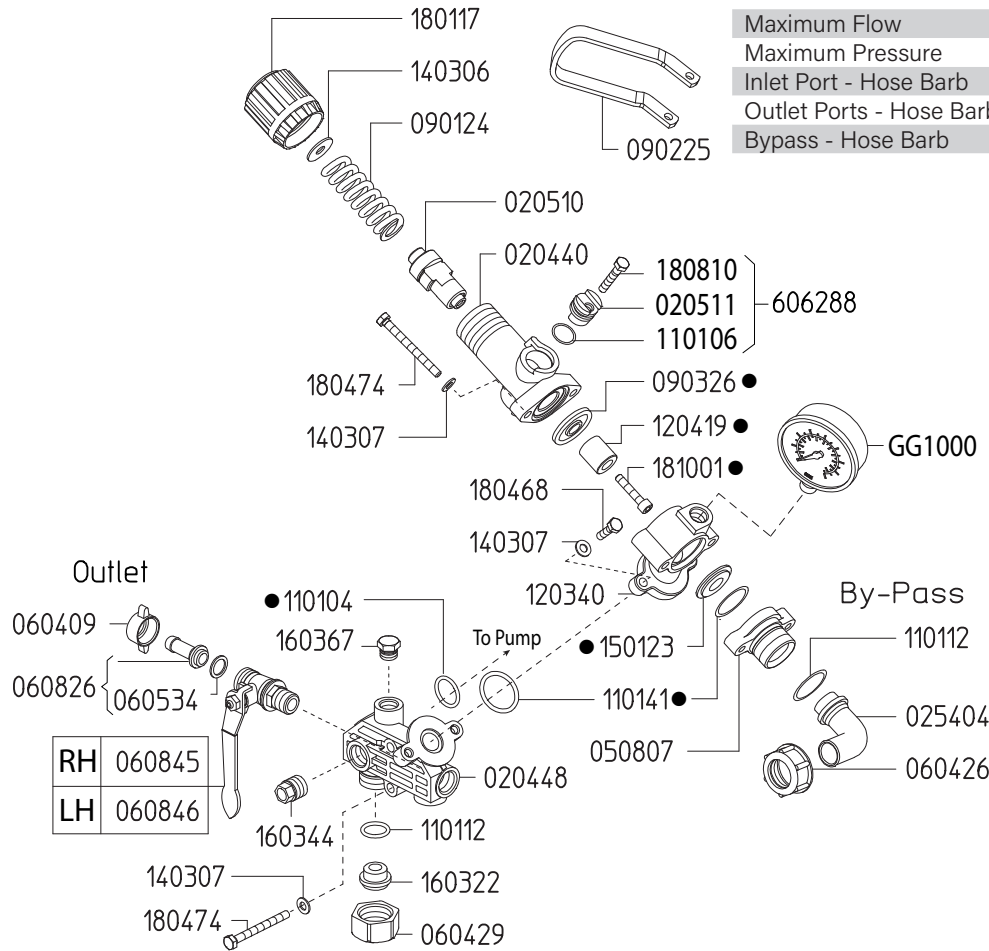
Part #	Description	Qty
1101.41	O-RING ●	2
1203.40	ADAPTER FLANGE	1
1204.19	STEEL POPPET ●	1
1403.06	WASHER	1
1403.07	WASHER	6
1501.23	SEAT ●	1
1603.02	PLUG	2
1603.14	PLUG	1
1603.22	PLUG	1
1801.17	ADJUSTMENT KNOB	1
1804.68	BOLT	2
1804.74	BOLT	4
1808.10	BOLT	2
1810.01	STAINLESS STEEL BOLT ●	1
6062.53	REPAIR KIT FOR 6047.06 CONTROL UNIT	1
6062.88	REGULATOR CAM KIT	2
GG350	PRESSURE GAUGE - 350 PSI BOTTOM MOUNT	1

● Parts included in Repair Kit #6062.53

The control unit features a manual dump valve, pressure control knob, glycerine filled pressure gauge, and two ball valve discharge ports.

1. Before operating or re-operating pump, push the manual dump valve lever (0902.25) down so the pump will start at zero pressure. FAILURE TO DO SO WILL VOID PUMP WARRANTY.
2. Turn pressure adjusting knob (1801.17) counter-clockwise to relieve spring tension. NOTE: Step 2 applies only to initial start-up, and is not necessary in daily operation of pump.
3. Start unit and let run until air is evacuated from system, when only liquid is expelled from the by-pass line.
4. Return dump valve lever to the UP position. Open spray gun or spray boom and turn the pressure adjustment knob (1801.17) clockwise until desired operating pressure is achieved.

Adjustable Pressure Regulator



Maximum Flow	27.0 GPM / 102 lpm
Maximum Pressure	560 PSI / 38 bar
Inlet Port - Hose Barb	-
Outlet Ports - Hose Barb, Valve	(2) 1/2" HB
Bypass - Hose Barb	3/4" HB

Revised 1-24-2022

Part #	Description	Qty
0202.25	BYPASS HOSE BARB - STRAIGHT (OPTIONAL)	1
0204.40	VALVE BODY	1
0204.48	MAIN BODY	1
0205.10	VALVE CYLINDER	1
0205.11	VALVE CYLINDER CAM	2
0254.04	BYPASS HOSE BARB - ELBOW	1
0508.07	BYPASS FLANGE	1
0604.09	DISCHARGE BARB NUT	2
0604.26	BYPASS BARB NUT	1
0604.29	BARB NUT	1
0605.34	GASKET	2
0608.26	1/2" HOSE BARB W/GASKET	2
0608.45	BALL VALVE; RIGHT	1
0608.46	BALL VALVE; LEFT	1
0901.24	SPRING (HIGH PRESSURE)	1
0902.25	DUMP VALVE LEVER	1
0903.26	DIAPHRAGM ●	1
1101.04	O-RING ●	1
1101.06	O-RING	2
1101.12	O-RING	1

Part #	Description	Qty
1101.41	O-RING ●	2
1203.40	ADAPTER FLANGE	1
1204.19	STEEL POPPET ●	1
1403.06	WASHER	1
1403.07	WASHER	6
1501.23	SEAT ●	1
1603.02	PLUG	2
1603.14	PLUG	1
1603.22	PLUG	1
1801.17	ADJUSTMENT KNOB	1
1804.68	BOLT	2
1804.74	BOLT	4
1808.10	BOLT	2
1810.01	STAINLESS STEEL BOLT ●	1
6062.53	REPAIR KIT FOR 6047.06 CONTROL UNIT	1
6062.88	REGULATOR CAM KIT	2
GG1000	PRESSURE GAUGE - 1000 PSI BOTTOM MOUNT	1

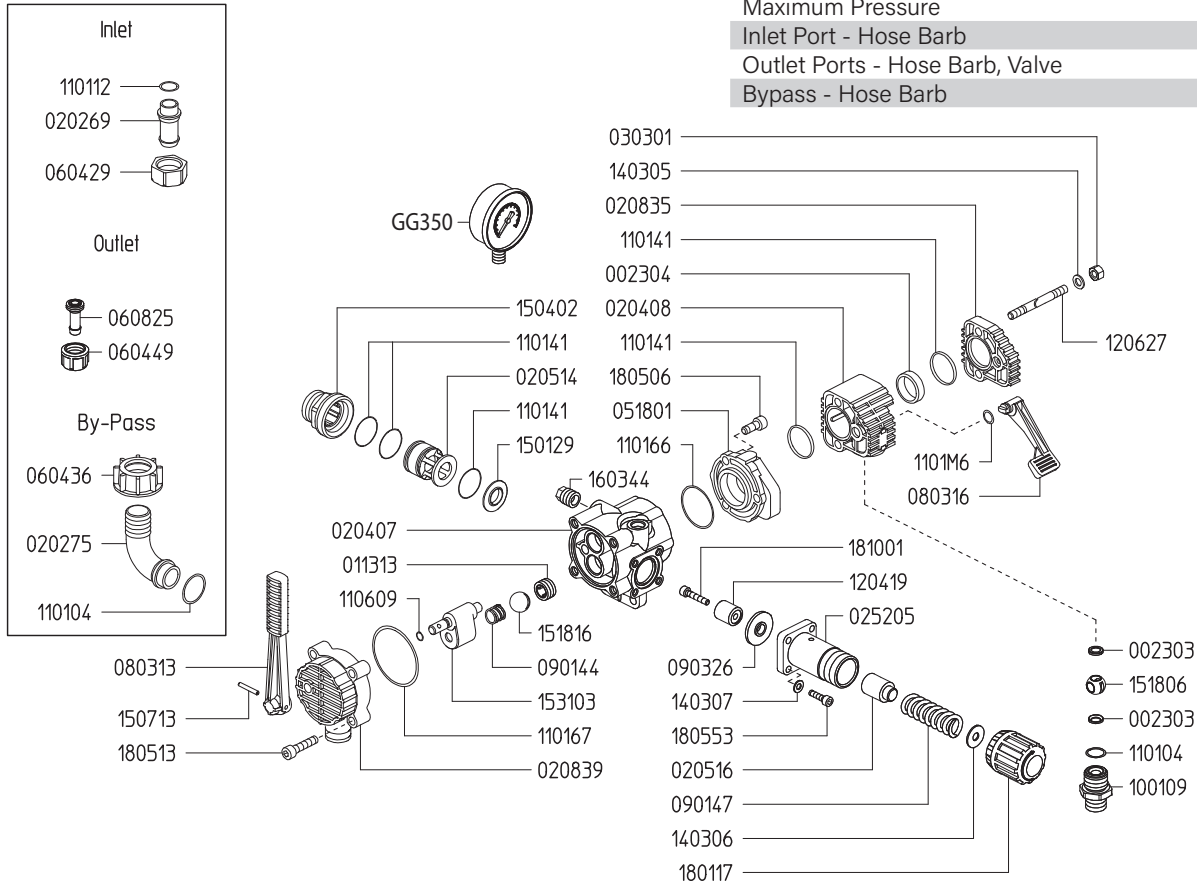
● Parts included in Repair Kit #6062.53

The control unit features a manual dump valve, pressure control knob, glycerine filled pressure gauge, and two ball valve discharge ports.

1. Before operating or re-operating pump, push the manual dump valve lever (0902.25) down so the pump will start at zero pressure. FAILURE TO DO SO WILL VOID PUMP WARRANTY.
2. Turn pressure adjusting knob (1801.17) counter-clockwise to relieve spring tension. NOTE: Step 2 applies only to initial start-up, and is not necessary in daily operation of pump.
3. Start unit and let run until air is evacuated from system, when only liquid is expelled from the by-pass line.
4. Return dump valve lever to the UP position. Open spray gun or spray boom and turn the pressure adjustment knob (1801.17) clockwise until desired operating pressure is achieved.

Adjustable Pressure Regulator

Maximum Flow	32.0 GPM / 121 lpm
Maximum Pressure	400 PSI / 41 bar
Inlet Port - Hose Barb	3/4" HB
Outlet Ports - Hose Barb, Valve	(2) 1/2" HB
Bypass - Hose Barb	1" HB



Revised 11-17-2021

Part #	Description	Qty
0023.03	SEAL	6
0023.04	GUIDE	3
0113.13	BALL SEAT	2
0202.69	HOSE BARB D19	1
0202.75	BYPASS HOSE BARB	1
0204.07	RELIEF VALVE BODY	1
0204.08	VALVE BODY	3
0205.14	CYLINDER	1
0205.16	SPRING GUIDE	1
0208.35	END PLATE	1
0208.39	SELECTOR BODY	1
0252.05	SPRING BODY	1
0303.01	NUT	2
0518.01	FLANGE	1
0604.29	BARB NUT	1
0604.36	NUT	1
0604.49	PLASTIC BARB NUT	3
0608.25	HOSE BARB D10+GASKET	3
0803.13	LEVER	1
0803.16	LEVER	3
0901.44	BALL SPRING	1
0901.47	SPRING	1
0903.26	DIAPHRAGM ■	1
1001.09	NIPPLE	3
1101.04	O-RING	4
1101.12	O-RING	1

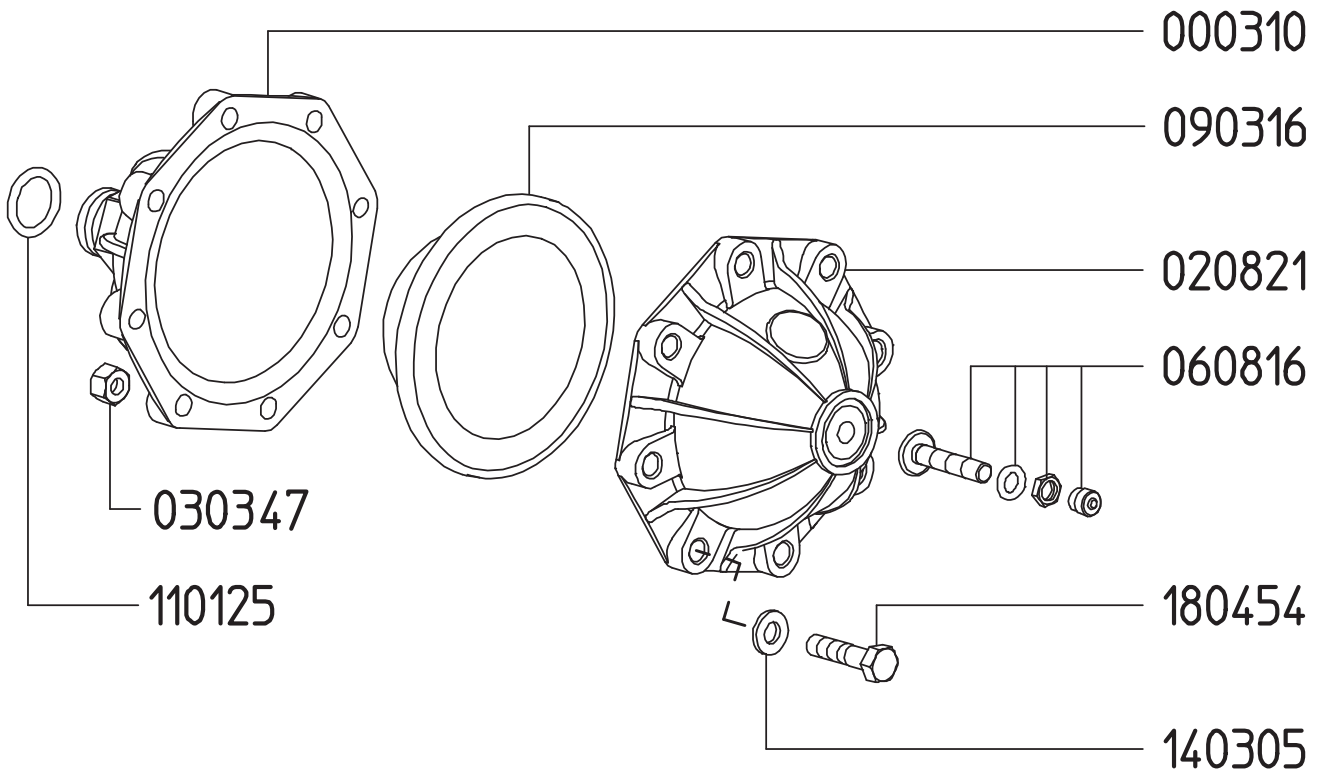
Part #	Description	Qty
1101.41	O-RING ■	7
1101.66	O-RING ■	1
1101.67	O-RING ■	1
1101.M6	O-RING ■	1
1106.09	O-RING ■	3
1204.19	STEEL POPPET ■	1
1206.27	STUD	2
1403.05	WASHER	1
1403.06	WASHER	1
1403.07	WASHER	4
1501.29	SEAT ■	1
1504.02	SUCTION SEAT	1
1507.13	ROLL PIN	1
1518.06	OUTLET BALL	3
1518.16	CONTROL UNIT BALL	1
1531.03	CONTROL SELECTOR	1
1603.44	PLUG	1
1801.17	ADJUSTMENT KNOB	1
1805.06	BOLT	3
1805.13	BOLT	4
1805.53	BOLT	4
1810.01	STAINLESS STEEL BOLT ■	1
GG350	PRESSURE GAUGE - 350PSI BOTTOM MOUNT	1
SB3/KIT	REPAIR KIT FOR SB3 CONTROL UNIT	

■ Parts Included in Repair Kit #SB3/KIT

6031.02

Pulsation Dampener

Maximum Flow	52.0 GPM / 200.0 lpm
Maximum Pressure	850 PSI / 60 bar
Inlet Port	3/4" Male BSP



Revised 5-16-2022

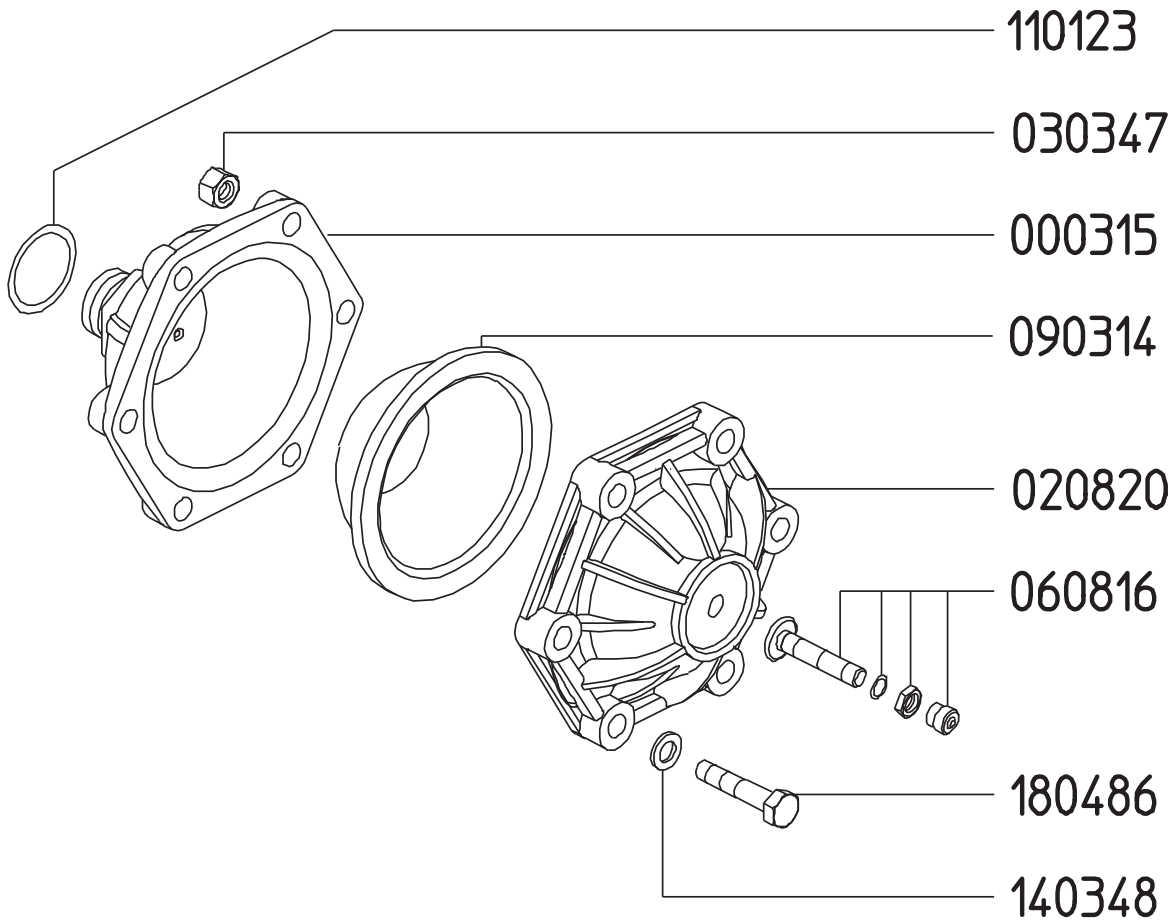
Part #	Description	Qty
0003.10	PRESSURE ACCUMULATOR	1
0208.21	ACCUMULATOR COVER	1
0303.47	HEX NUT M8X8	8
0608.16	AIR VALVE ASSEMBLY	1

Part #	Description	Qty
0903.16	ACCUMULATOR DIAPHRAGM	1
1101.25	O-RING - PRESSURE ACCUMULATOR	1
1403.05	WASHER M8	8
1804.54	HEX BOLT M8X35	8

6031.29

Pulsation Dampener

Maximum Flow	40.0 GPM / 150.0 lpm
Maximum Pressure	400 PSI / 30 bar
Inlet Port	3/4" Male BSP



Revised 5-16-2022

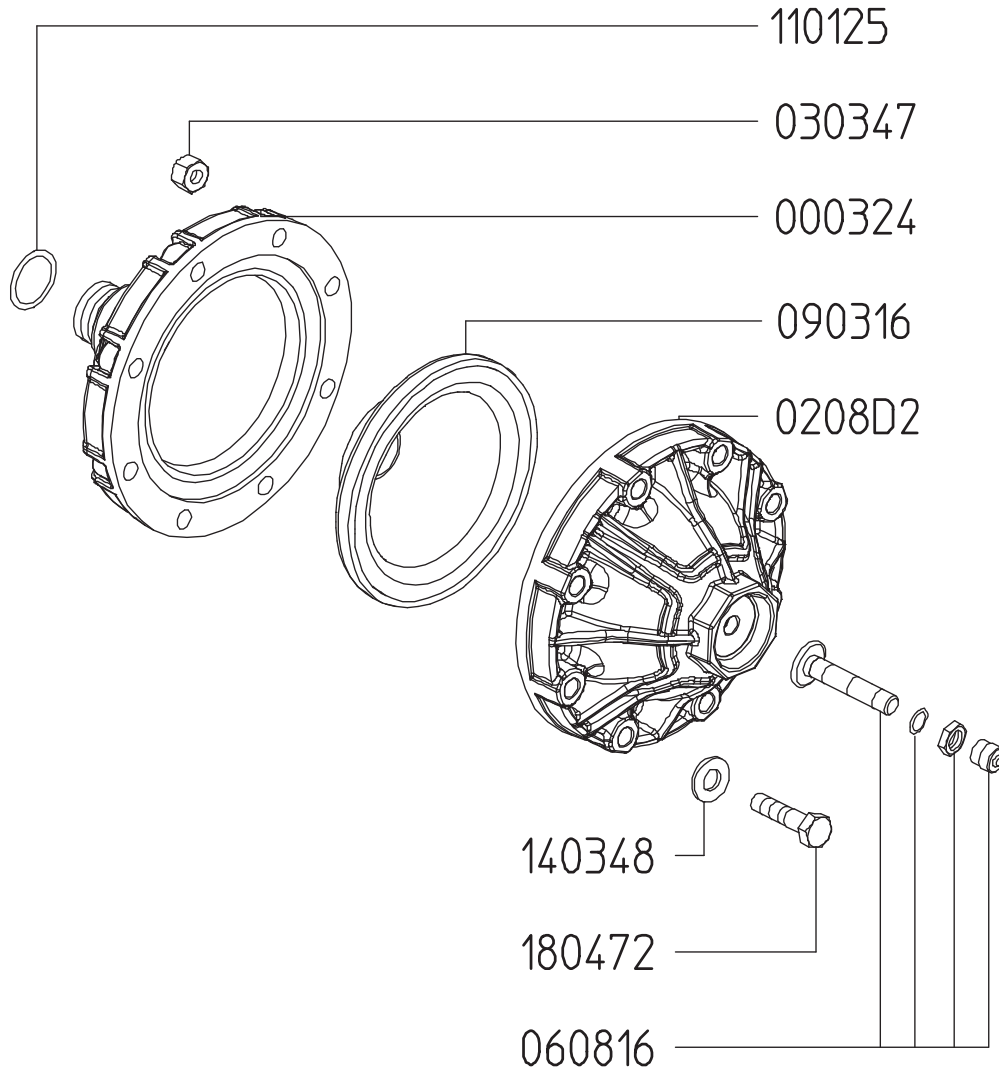
Part #	Description	Qty
000315	PRESSURE ACCUMULATOR	1
0208.20	ACCUMULATOR COVER	1
0303.47	HEX NUT M8X8	6
0608.16	AIR VALVE ASSEMBLY	1

Part #	Description	Qty
0903.14	ACCUMULATOR DIAPHRAGM	1
1101.23	O-RING - PRESSURE ACCUMULATOR	1
1403.48	WASHER D8,4 DACROMET	6
1804.86	HEX BOLT M8X40	6

6031.30

Pulsation Dampener

Maximum Flow	50.0 GPM / 190.0 lpm
Maximum Pressure	725 PSI / 50 bar
Inlet Port	3/4" Male BSP



Revised 5-16-2022

Part #	Description	Qty
0003.24	PRESSURE ACCUMULATOR	1
0208.D2	ACCUMULATOR COVER	1
0303.47	HEX NUT M8X8	8
0608.16	AIR VALVE ASSEMBLY	1

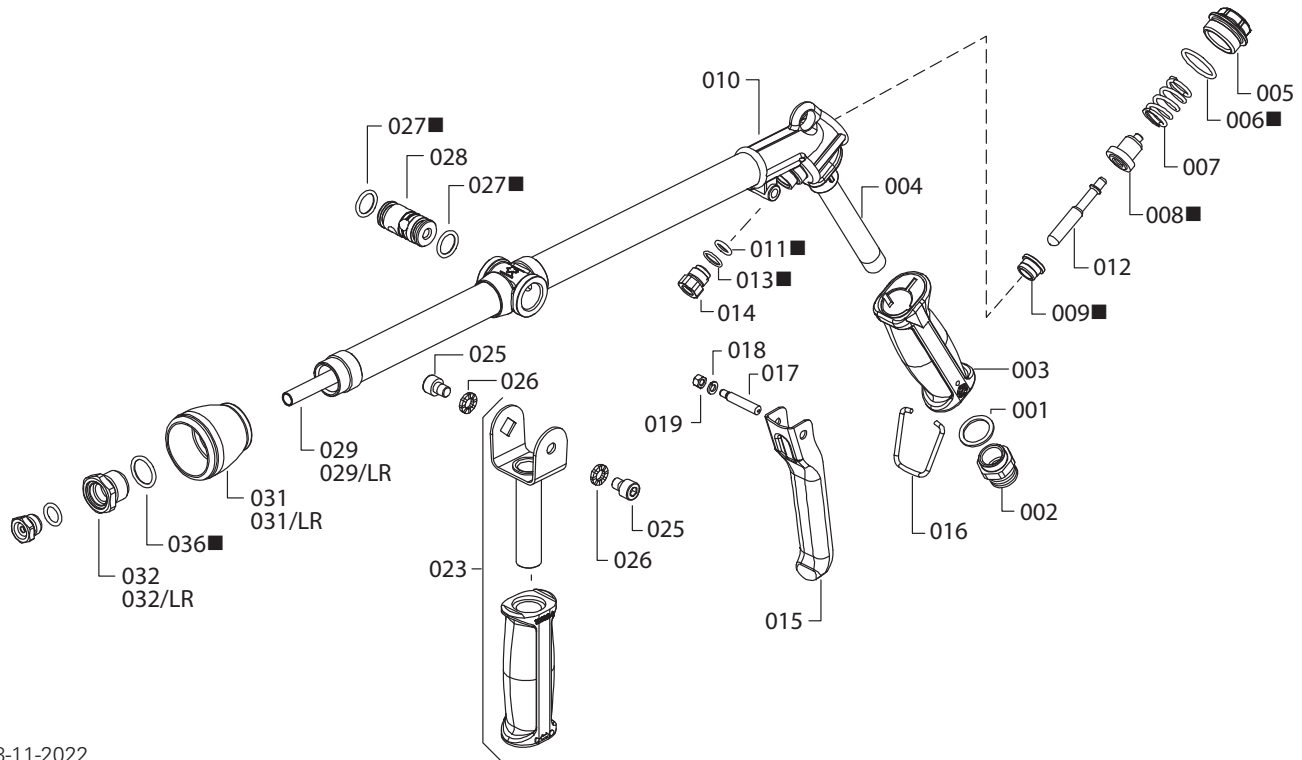
Part #	Description	Qty
0903.16	ACCUMULATOR DIAPHRAGM	1
1101.25	O-RING - PRESSURE ACCUMULATOR	1
1403.48	WASHER D8,4 DACROMET	8
1804.72	HEX BOLT M8X50	8

7.901.103 / 13.901.151

Turbine Spray Gun

Long Range Spray Gun

Maximum Flow 25.0 / 30.0 GPM / 95 / 114 lpm
 Maximum Pressure 850 PSI / 58 bar



Revised 8-11-2022

Part #	Description	Qty
001	Washer	1
002	Inlet Adapter	1
003	Handle	1
004	Inlet Tube	1
005	Plug	1
006	O-Ring ■	1
007	Spring	1
008	Poppet ■	1
009	Seat ■	1
010	Body	1
011	O-Ring ■	1
012	Plunger	1
013	O-Ring ■	1
014	Guide	1
015	Trigger	1
016	Trigger Clip	1
017	Trigger Pin	1
018	Washer	1
019	Nut	1
023	Front Grip Assembly	1
025	Bolt	2
026	Washer	2
027	O-Ring ■	2
028	Regulator	1
029	Inner Tube	1
029/LR	Inner Tube - Long Range	1
031	Nozzle Protector	1
031/LR	Nozzle Protector - Long Range	1
032	Nozzle Retainer	1
032/LR	Nozzle Retainer - Long Range	1
036	O-Ring ■	1

Part #	Description	Qty
017	Trigger Pin	1
018	Washer	1
019	Nut	1
023	Front Grip Assembly	1
025	Bolt	2
026	Washer	2
027	O-Ring ■	2
028	Regulator	1
029	Inner Tube	1
029/LR	Inner Tube - Long Range	1
031	Nozzle Protector	1
031/LR	Nozzle Protector - Long Range	1
032	Nozzle Retainer	1
032/LR	Nozzle Retainer - Long Range	1
036	O-Ring ■	1

■ Parts Included in Repair Kit #10/11

Spray Tip Performance Chart

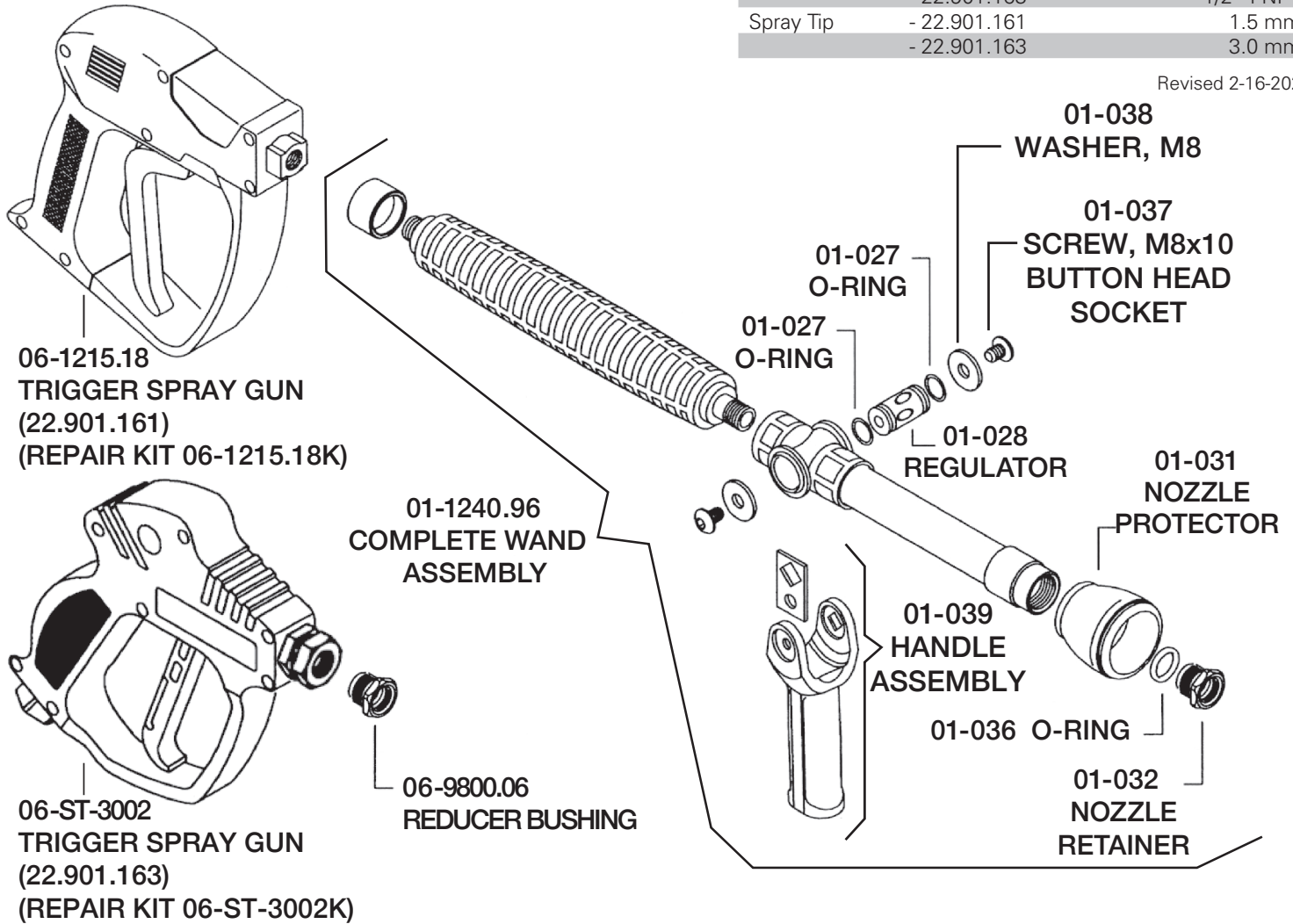
Model	Orifice (mm)	Material	Gallons per Minute / Maximum Spray Distance in Feet				
			100 PSI	200 PSI	400 PSI	600 PSI	800 PSI
68.1802.51	1.5	Ceramic	.78 / 17	1.1 / 20	1.5 / 23	1.8 / 25	2.1 / 27
68.1802.52	1.8	Ceramic	1.1 / 19	1.6 / 21	2.3 / 24	2.6 / 26	2.9 / 28
68.1802.53	2.0	Ceramic	1.4 / 21	2.0 / 24	2.8 / 26	3.4 / 29	3.8 / 32
68.1802.54	2.3	Ceramic	2.0 / 24	2.5 / 29	4.0 / 34	5.0 / 42	5.5 / 45
68.1802.16	2.5	Ceramic	2.5 / 23	3.0 / 28	4.5 / 32	5.5 / 40	6.5 / 44
68.1802.17	3.0	Ceramic	3.0 / 28	4.5 / 29	6.5 / 34	8.0 / 41	9.0 / 44
13.1802.73	3.5	S/S	4.5 / 31	6.0 / 36	8.5 / 41	11.0 / 50	12.0 / 54
13.1802.58	4.0	S/S	5.0 / 35	7.5 / 38	10.0 / 43	13.5 / 53	14.5 / 59
13.1802.59	4.5	S/S	6.5 / 37	9.0 / 39	12.5 / 44	16.5 / 54	18.0 / 62
13.1802.60	5.0	S/S	7.5 / 33	10.0 / 41	14.0 / 47	18.5 / 59	21.0 / 67
13.1802.61	5.5	S/S	8.0 / 35	11.5 / 42	16.0 / 47	21.0 / 59	23.0 / 70
13.1802.75	6.0	S/S	9.0 / 38	12.5 / 44	18.0 / 54	23.0 / 66	26.0 / 74
13.1802.74	7.0	S/S	9.5 / 21	13.5 / 47	19.0 / 57	24.0 / 70	27.0 / 77

22.901.161 & 22.901.163

High Pressure Adjustable Pattern Spray Gun

Maximum Flow	- 22.901.161	10.0 GPM / 38 lpm
	- 22.901.163	25.0 GPM / 95 lpm
Maximum Pressure		3000 PSI / 200 bar
Inlet	- 22.901.161	3/8" FNPT
	- 22.901.163	1/2" FNPT
Spray Tip	- 22.901.161	1.5 mm
	- 22.901.163	3.0 mm

Revised 2-16-2023



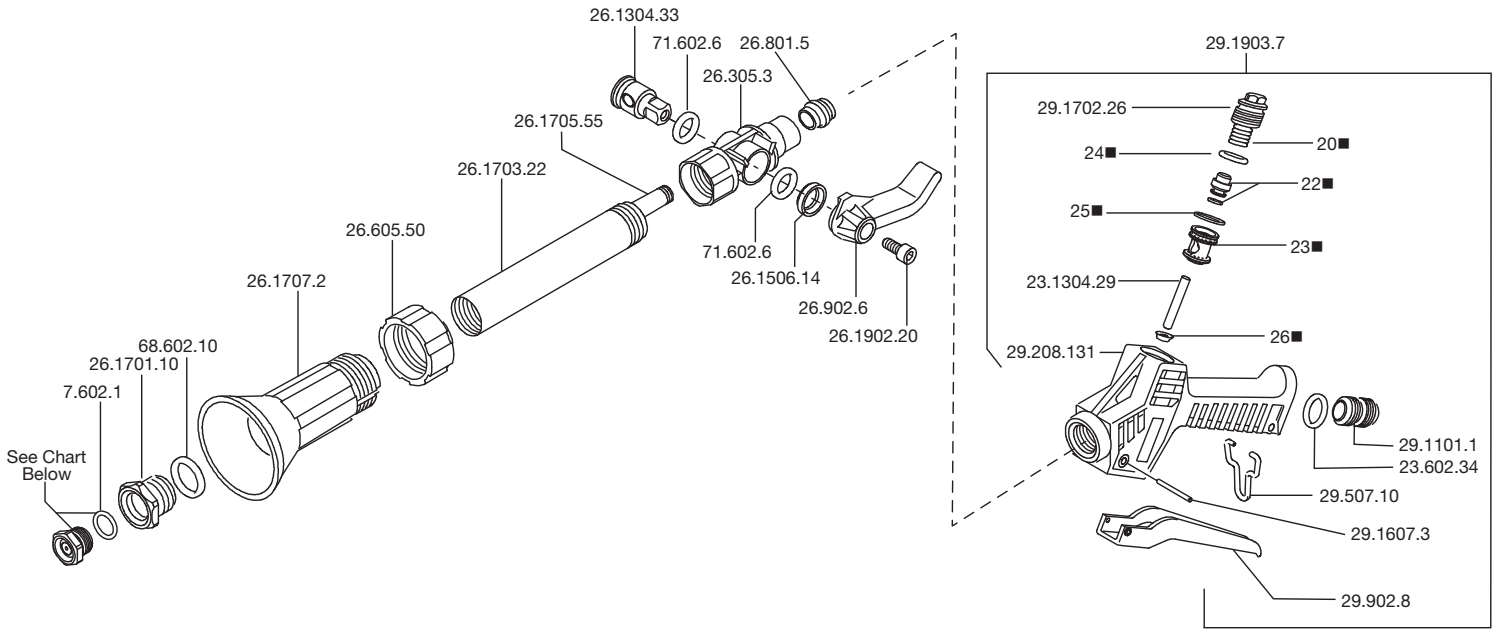
Spray Tip Performance Chart

Model	Orifice (mm)	Material	Gallons per Minute					List Price
			1000 PSI	1500 PSI	2000 PSI	2500 PSI	3000 PSI	
68.1802.50	1.2	Ceramic	2.0	2.4	2.6	2.9	3.5	\$ 14.63
68.1802.51	1.5	Ceramic	2.5	3.0	3.5	3.9	4.4	\$ 14.63
68.1802.52	1.8	Ceramic	3.5	4.1	4.7	5.3	5.9	\$ 14.63
68.1802.53	2.0	Ceramic	4.5	5.1	5.8	6.2	6.8	\$ 14.63
68.1802.54	2.3	Ceramic	6.0	7.0	8.0	9.0	10.0	\$ 14.63
68.1802.16	2.5	Ceramic	7.5	9.0	10.5	11.5	13.0	\$ 14.63
68.1802.17	3.0	Ceramic	10.0	12.0	14.0	16.0	18.0	\$ 14.63
13.1802.73	3.5	S/S	13.0	16.0	19.0	22.0	36.0	\$ 24.31

26.901.162 (Turbo)

High Performance Adjustable Spray Gun

Maximum Flow 15.0 GPM / 57 lpm
Maximum Pressure 850 PSI / 58 bar



Revised 8-10-2022

Part #	Description	Qty
See Chart	Spray Tip	1
23.602.34	O-Ring	1
23.1304.29	Plunger	1
26.1304.33	Regulator	1
26.1506.14	Spacer	1
26.1701.10	Nozzle Retainer	1
26.1703.22	Outer Tube	1
26.1705.55	Inner Tube	1
26.1707.2	Nozzle Protector	1
26.1902.20	Bolt	1
26.305.3	Body	1
26.605.50	Nut	1
26.801.5	Insert Guide	1
26.902.6	Adjustment Lever	1
29.1101.1	Inlet Adapter	1
29.1607.3	Trigger Pin	1

Part #	Description	Qty
29.1702.26	Plug	1
29.1903.7	Trigger Gun	1
29.208.131	Gun Body	1
29.507.10	Trigger Clip	1
29.902.8	Trigger Assembly	1
68.602.10	O-Ring	1
7.602.1	O-Ring	1
71.602.6	O-Ring	2
20	Spring	1
22	Poppet Assy	1
24	O-Ring	1
25	O-Ring	1
26	Seal	1
8711.03	Repair Kit	1

■ Parts Included in Repair Kit 8711.03

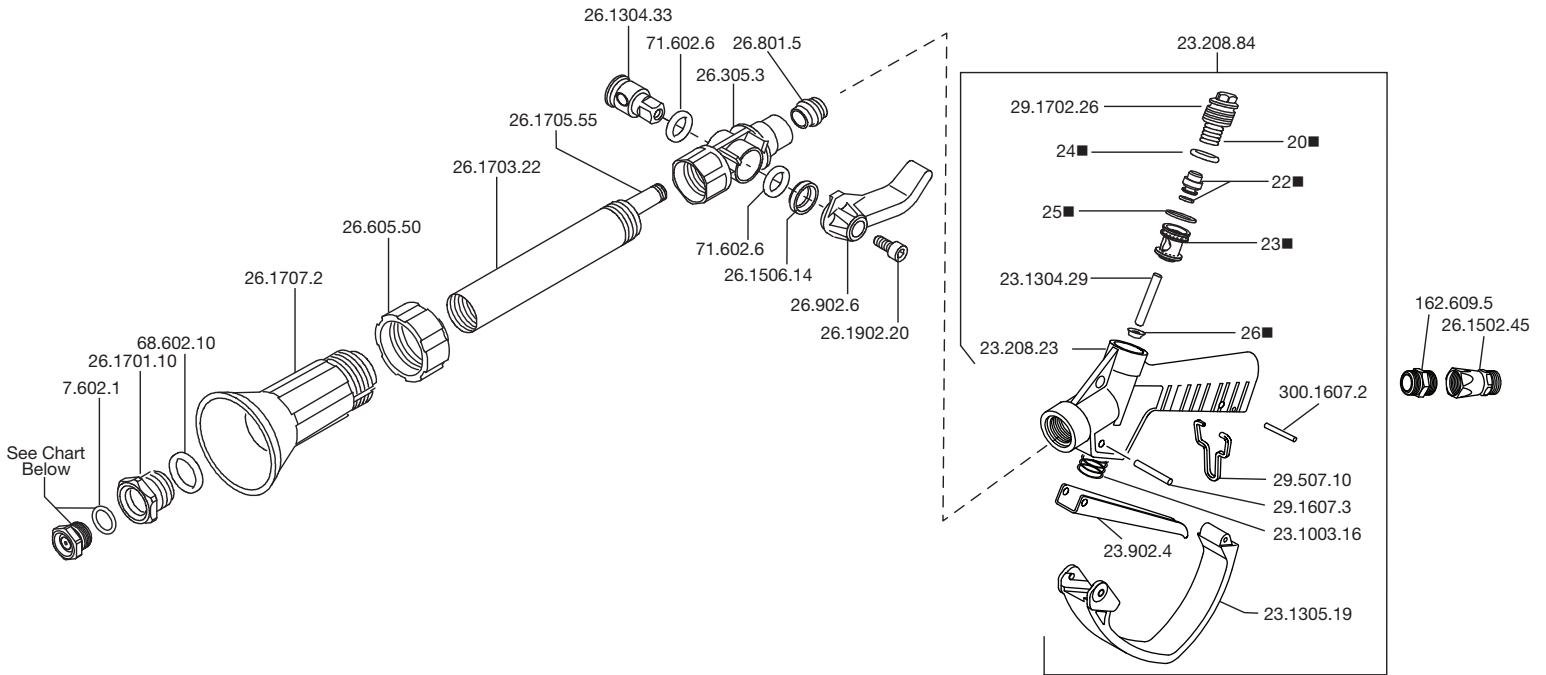
Spray Tip Performance Chart

Model	Orifice (mm)	Material	Gallons per Minute / Maximum Spray Distance in Feet				
			100 PSI	200 PSI	400 PSI	600 PSI	800 PSI
68.1802.51	1.5	Ceramic	.78 / 17	1.1 / 20	1.5 / 23	1.8 / 25	2.1 / 27
68.1802.52	1.8	Ceramic	1.1 / 19	1.6 / 21	2.3 / 24	2.6 / 26	2.9 / 28
68.1802.53	2.0	Ceramic	1.4 / 21	2.0 / 24	2.8 / 26	3.4 / 29	3.8 / 32
68.1802.54	2.3	Ceramic	2.0 / 24	2.5 / 29	4.0 / 34	5.0 / 42	5.5 / 45
68.1802.16	2.5	Ceramic	2.5 / 23	3.0 / 28	4.5 / 32	5.5 / 40	6.5 / 44
68.1802.17	3.0	Ceramic	3.0 / 28	4.5 / 29	6.5 / 34	8.0 / 41	9.0 / 44
13.1802.73	3.5	S/S	4.5 / 31	6.0 / 36	8.5 / 41	11.0 / 50	12.0 / 54
13.1802.58	4.0	S/S	5.0 / 35	7.5 / 38	10.0 / 43	13.5 / 53	14.5 / 59
13.1802.59	4.5	S/S	6.5 / 37	9.0 / 39	12.5 / 44	16.5 / 54	18.0 / 62
13.1802.60	5.0	S/S	7.5 / 33	10.0 / 41	14.0 / 47	18.5 / 59	21.0 / 67
13.1802.61	5.5	S/S	8.0 / 35	11.5 / 42	16.0 / 47	21.0 / 59	23.0 / 70
13.1802.75	6.0	S/S	9.0 / 38	12.5 / 44	18.0 / 54	23.0 / 66	26.0 / 74
13.1802.74	7.0	S/S	9.5 / 21	13.5 / 47	19.0 / 57	24.0 / 70	27.0 / 77

26.901.400 (Turbo Industrial)

High Performance Adjustable Spray Gun

Maximum Flow 15.0 GPM / 57 lpm
Maximum Pressure 850 PSI / 58 bar



Revised 8-10-2022

Part #	Description	Qty
See Chart	Spray Tip	1
162.609.5	Inlet Fitting Adapter	1
23.208.23	Gun Body	1
23.902.4	Trigger	1
23.1003.16	Spring	1
23.1304.29	Plunger	1
23.1305.19	Trigger Guard	1
23.208.84	Trigger Gun	1
26.1304.33	Regulator	1
26.1502.45	Inlet Adapter	1
26.1506.14	Spacer	1
26.1701.10	Nozzle Retainer	1
26.1703.22	Outer Tube	1
26.1705.55	Inner Tube	1
26.1707.2	Nozzle Protector	1
26.1902.20	Bolt	1
26.305.3	Body	1
26.605.50	Nut	1

Part #	Description	Qty
26.801.5	Insert Guide	1
26.902.6	Adjustment Lever	1
29.1607.3	Trigger Pin	1
29.1702.26	Plug	1
29.507.10	Trigger clip	1
300.1607.2	Pin	1
68.602.10	O-Ring	1
7.602.1	O-Ring	1
71.602.6	O-Ring	2
20 ■	Spring	1
22 ■	Poppet Assy	1
23 ■	Seat	1
24 ■	O-Ring	1
25 ■	O-Ring	1
26 ■	Seal	1
8711.03	Repair Kit	

■ Parts Included in Repair Kit 8711.03

Spray Tip Performance Chart

Model	Orifice (mm)	Material	Gallons per Minute / Maximum Spray Distance in Feet				
			100 PSI	200 PSI	400 PSI	600 PSI	800 PSI
68.1802.51	1.5	Ceramic	.78 / 17	1.1 / 20	1.5 / 23	1.8 / 25	2.1 / 27
68.1802.52	1.8	Ceramic	1.1 / 19	1.6 / 21	2.3 / 24	2.6 / 26	2.9 / 28
68.1802.53	2.0	Ceramic	1.4 / 21	2.0 / 24	2.8 / 26	3.4 / 29	3.8 / 32
68.1802.54	2.3	Ceramic	2.0 / 24	2.5 / 29	4.0 / 34	5.0 / 42	5.5 / 45
68.1802.16	2.5	Ceramic	2.5 / 23	3.0 / 28	4.5 / 32	5.5 / 40	6.5 / 44
68.1802.17	3.0	Ceramic	3.0 / 28	4.5 / 29	6.5 / 34	8.0 / 41	9.0 / 44
13.1802.73	3.5	S/S	4.5 / 31	6.0 / 36	8.5 / 41	11.0 / 50	12.0 / 54
13.1802.58	4.0	S/S	5.0 / 35	7.5 / 38	10.0 / 43	13.5 / 53	14.5 / 59
13.1802.59	4.5	S/S	6.5 / 37	9.0 / 39	12.5 / 44	16.5 / 54	18.0 / 62
13.1802.60	5.0	S/S	7.5 / 33	10.0 / 41	14.0 / 47	18.5 / 59	21.0 / 67
13.1802.61	5.5	S/S	8.0 / 35	11.5 / 42	16.0 / 47	21.0 / 59	23.0 / 70
13.1802.75	6.0	S/S	9.0 / 38	12.5 / 44	18.0 / 54	23.0 / 66	26.0 / 74
13.1802.74	7.0	S/S	9.5 / 21	13.5 / 47	19.0 / 57	24.0 / 70	27.0 / 77

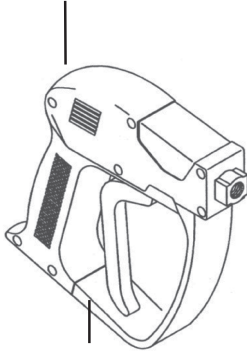
37.901.20 & 37.901.30

High Pressure Adjustable Pattern Foaming Spray Gun

Maximum Flow - 37.901.20	13.0 GPM / 50 lpm
- 37.901.30	25.0 GPM / 95 lpm
Maximum Pressure	3000 PSI / 200 bar
Inlet - 37.901.20	3/8" FNPT
- 37.901.30	1/2" FNPT
Spray Tip	4.5 mm

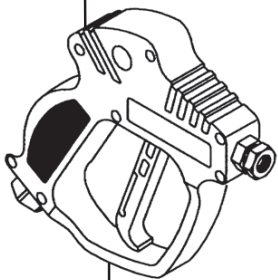
Revised 5-1-2020

06-1242.39
SPRAY GUN
REPAIR KIT



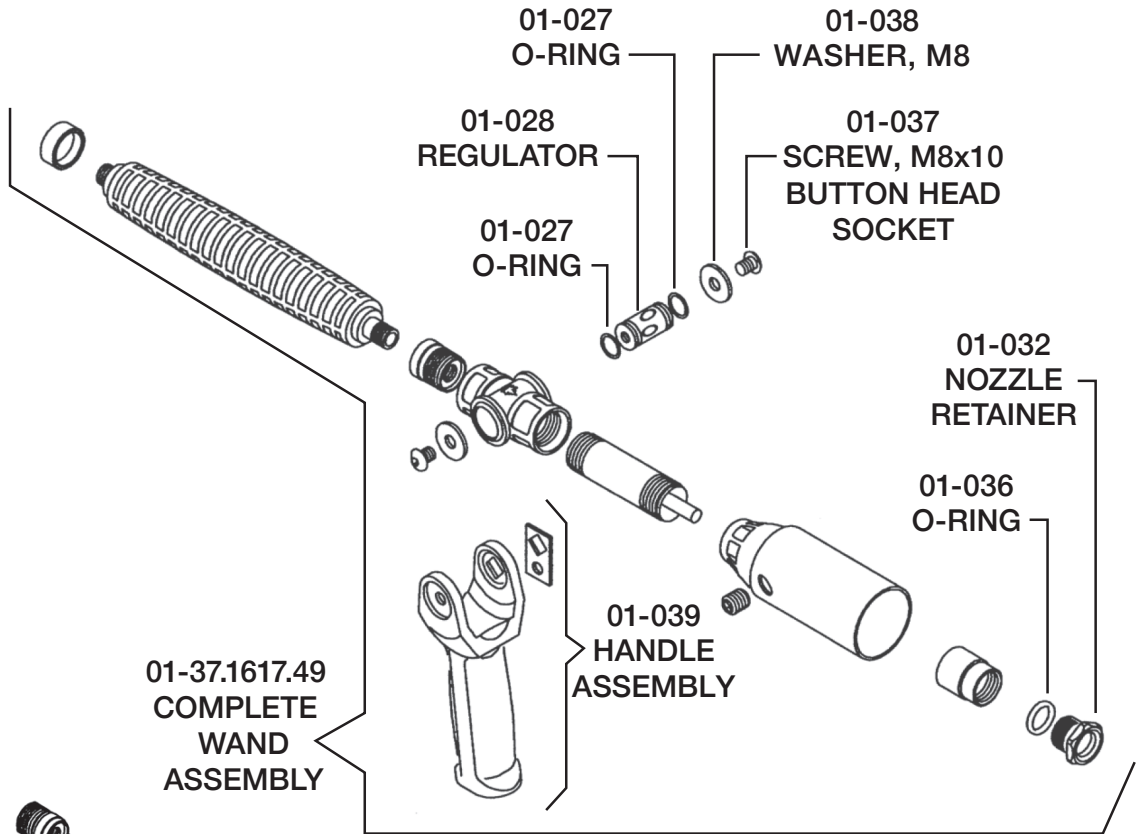
06-1215.31
TRIGGER
SPRAY GUN
37.901.20 ONLY

06-ST-3002/K
SPRAY GUN
REPAIR KIT



06-ST-3002
TRIGGER
SPRAY GUN
37.901.30 ONLY

06-9800.06
1/2" MNPT x
1/4" FNPT ADAPTER
37.901.30 ONLY

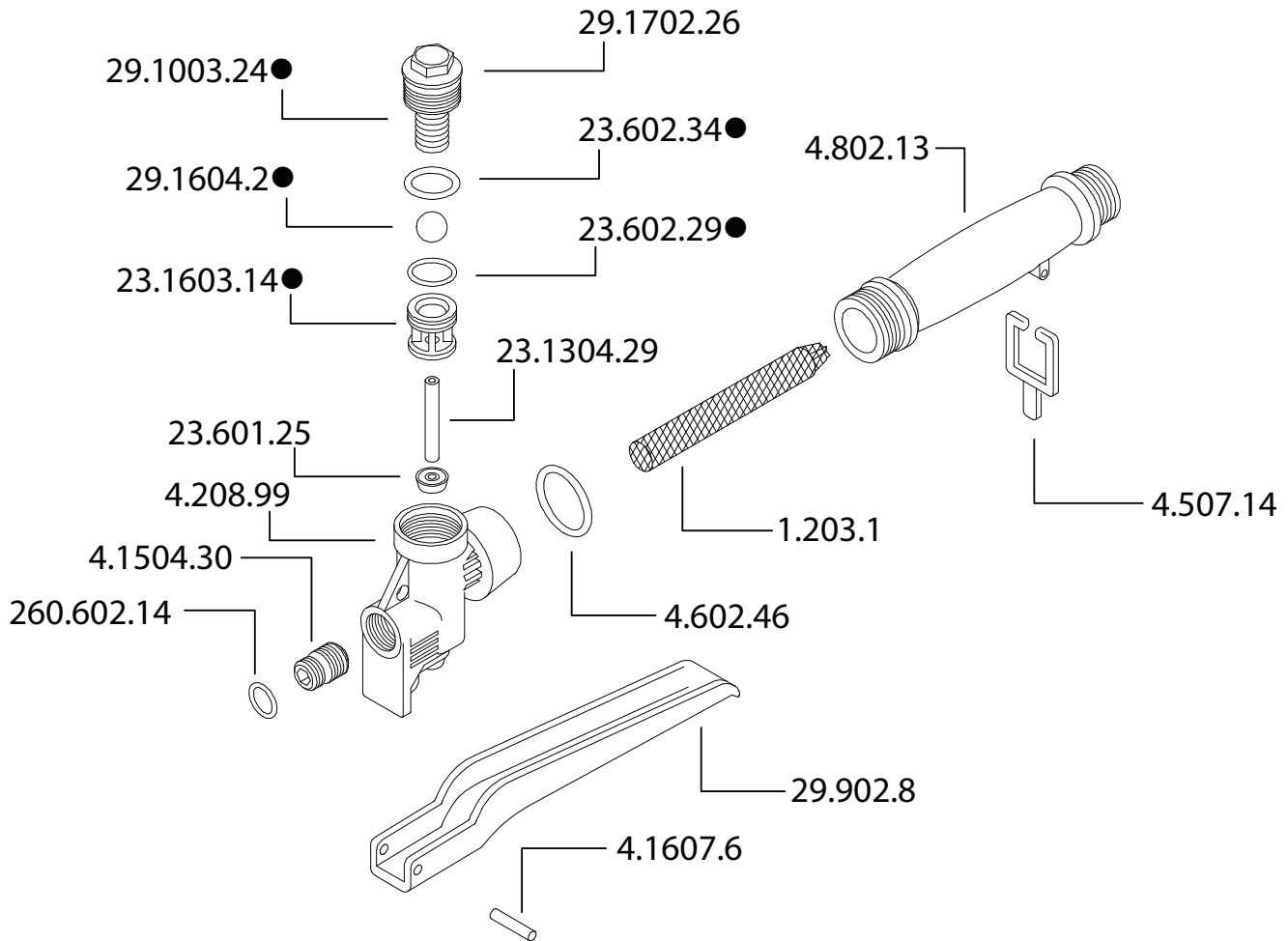


Spray Tip Performance Chart

Model	Orifice (mm)	Material	Gallons per Minute					List Price
			1000 PSI	1500 PSI	2000 PSI	2500 PSI	3000 PSI	
68.1802.50	1.2	Ceramic	2.0	2.4	2.6	2.9	3.5	\$ 14.63
68.1802.51	1.5	Ceramic	2.5	3.0	3.5	3.9	4.4	\$ 14.63
68.1802.52	1.8	Ceramic	3.5	4.1	4.7	5.3	5.9	\$ 14.63
68.1802.53	2.0	Ceramic	4.5	5.1	5.8	6.2	6.8	\$ 14.63
68.1802.54	2.3	Ceramic	6.0	7.0	8.0	9.0	10.0	\$ 14.63
68.1802.16	2.5	Ceramic	7.5	9.0	10.5	11.5	13.0	\$ 14.63
68.1802.17	3.0	Ceramic	10.0	12.0	14.0	16.0	18.0	\$ 14.63
13.1802.73	3.5	S/S	13.0	16.0	19.0	22.0	36.0	\$ 24.31

Maximum Flow
Maximum Pressure

5.0 GPM / 19.5 lpm
300 PSI / 20 bar



Revised 3-14-2022

Part #	Description	Qty
1.203.1	SCREEN	1
4.1504.30	OUTLET FITTING	1
4.1607.6	PIN	1
4.208.99	BODY	1
4.507.14	SAFETY CLIP	1
4.602.46	O-RING	1
4.802.13	HANDLE	1
23.1304.29	PLUNGER	1
23.1603.14 ●	CAGE	1

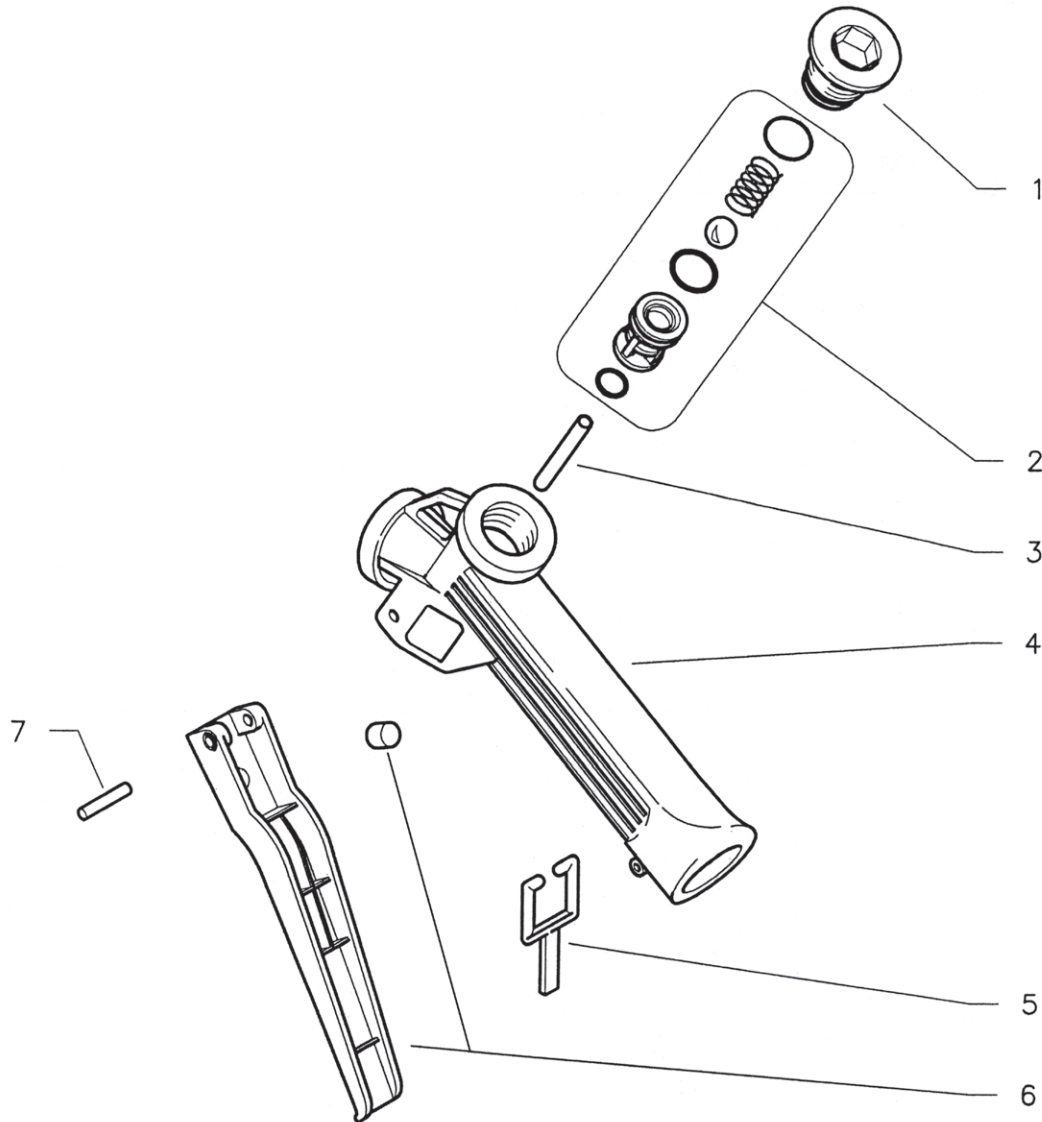
Part #	Description	Qty
23.601.25	SEAL	1
23.602.29 ●	O-RING	1
23.602.34 ●	O-RING	1
29.1003.24 ●	SPRING	1
29.1604.2 ●	BALL	1
29.1702.26	PLUG	1
29.902.8	TRIGGER	1
260.602.14	O-RING	1

● Parts Included in Repair Kit 8711.03

Polypropylene Trigger Valve

Maximum Flow	18.0 GPM / 68 lpm
Maximum Pressure	400 PSI / 27 bar
Inlet Port	1/2" FNPT
Outlet Port	1/2" FNPT

Revised 4-1-2020

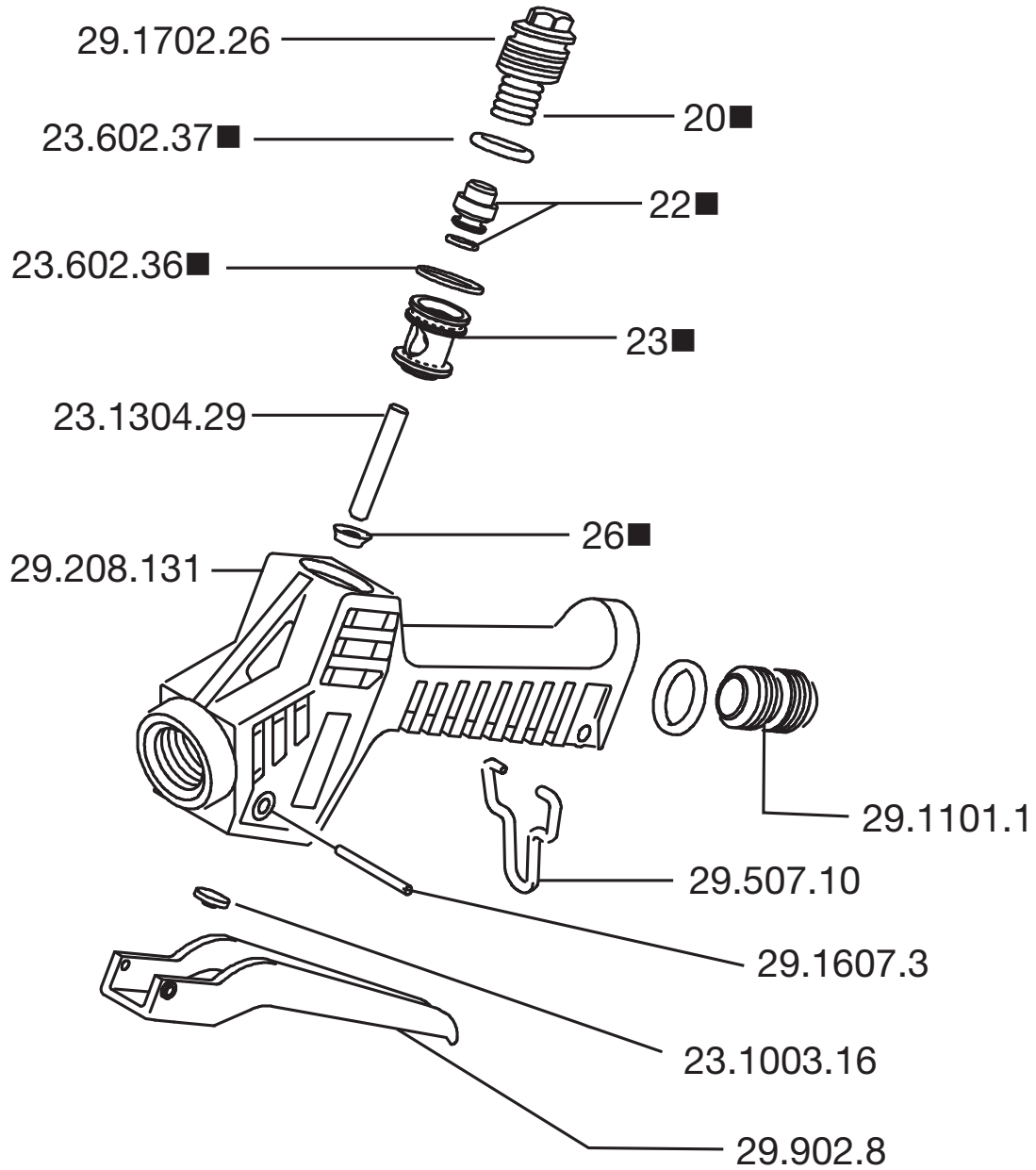


Ref #	Description	Qty
1	PLUG	1
2	REPAIR KIT - 8711.07	1
3	INLET PIN	1
4	MAIN BODY	1

Ref #	Description	Qty
5	CLIP - 1241.42	1
6	TRIGGER - 1240.C9	1
7	TRIGGER PIN - 29.1607.3	1

Maximum Flow
Maximum Pressure

15.0 GPM / 57 lpm
850 PSI / 58 bar



Revised 3-3-2022

Part #	Description	Qty
23.1003.16	SPRING	1
23.1304.29	PLUNGER	1
23.602.36 ■	O-RING	1
23.602.37 ■	O-RING	1
29.1101.1	INLET ADAPTER	1
29.1607.3	TRIGGER PIN	1
29.1702.26	PLUG	1
29.208.131	GUN BODY	1

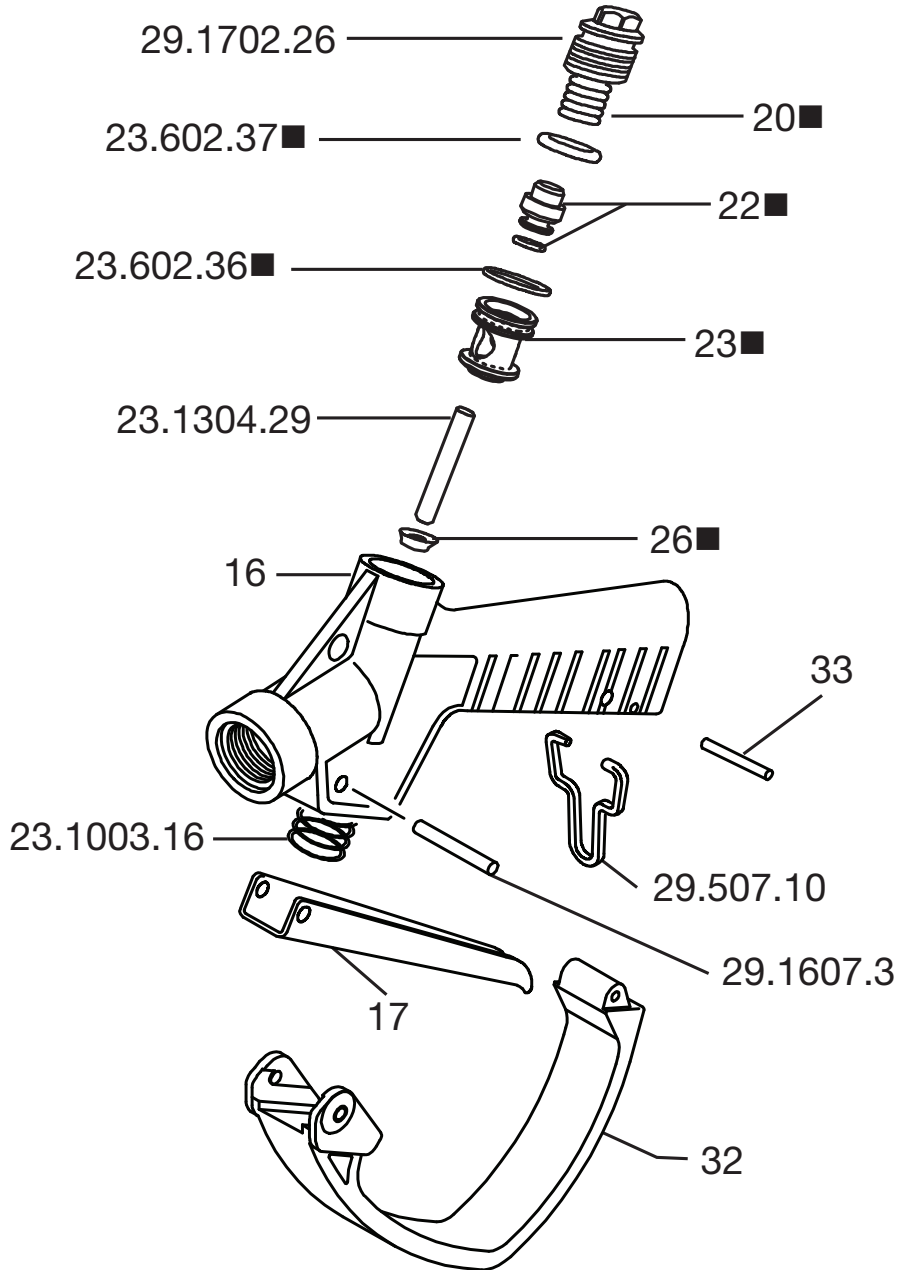
Part #	Description	Qty
29.507.10	TRIGGER CLIP	1
29.902.8	TRIGGER	1
20 ■	SPRING	1
22 ■	POPPET ASSY	1
23 ■	SEAT	1
26 ■	SEAL	1
8711.03	REPAIR KIT	

■ Parts Included in Repair Kit 8711.03

Trigger Spray Gun

Maximum Flow
Maximum Pressure

15.0 GPM / 57 lpm
850 PSI / 58 bar



Revised 1-28-2022

Part #	Description	Qty
23.1003.16	Spring	1
23.1304.29	Plunger	1
23.602.36 ■	O-Ring	1
23.602.37 ■	O-Ring	1
29.1607.3	Trigger Pin	1
29.1702.26	Plug	1
29.507.10	Trigger clip	1
16	Gun Body	1
17	Trigger	1

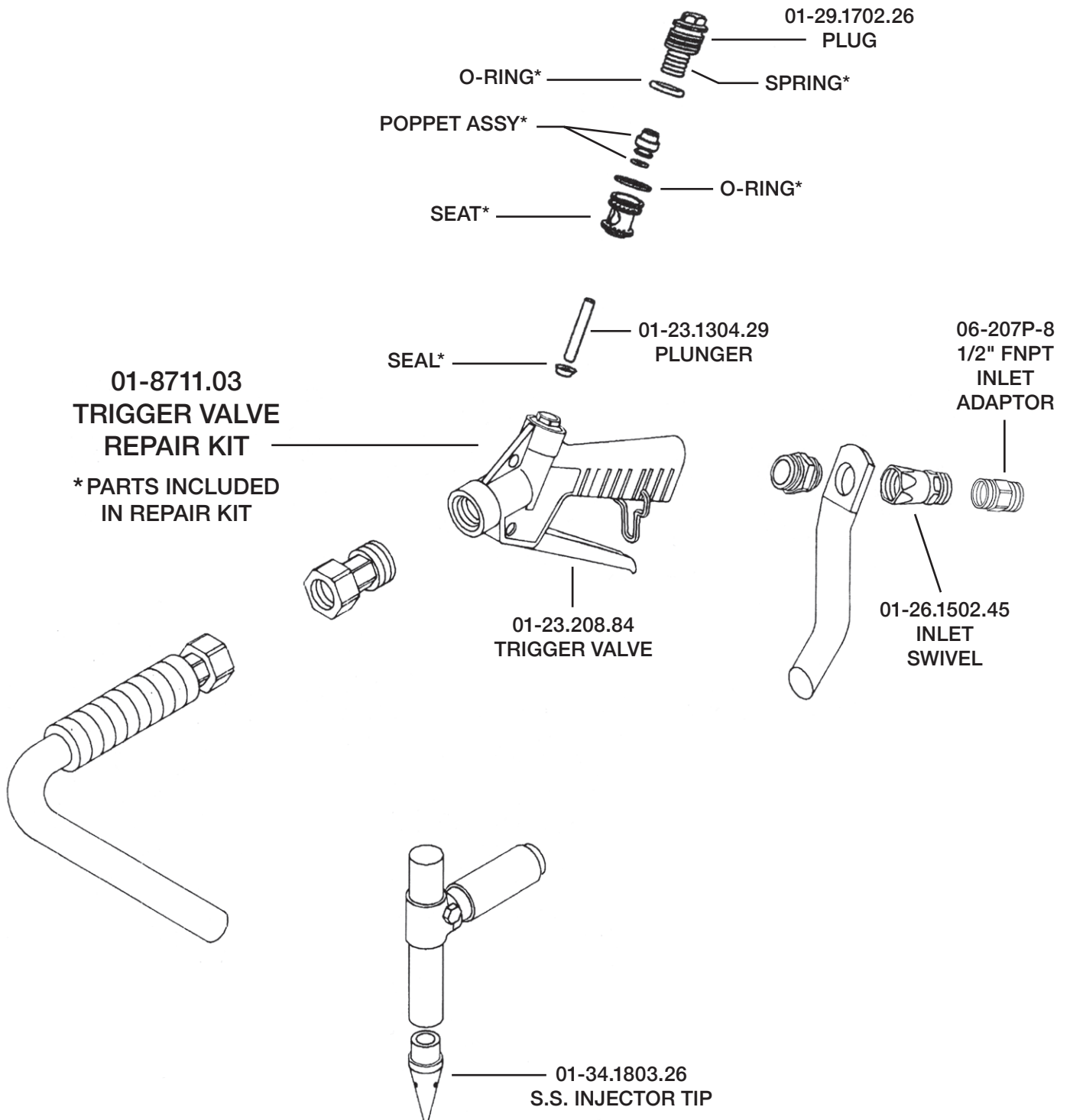
Part #	Description	Qty
20 ■	Spring	1
22 ■	Poppet Assy	1
23 ■	Seat	1
26 ■	Seal	1
32	Trigger Guard	1
33	Pin	1
8711.03	Repair Kit	

■ Parts Included in Repair Kit 8711.03

High Performance Root Feeder

Maximum Flow	10.0 GPM / 38 lpm
Maximum Pressure	450 PSI / 30 bar
Inlet	1/2" FNPT

Revised 4-1-2020

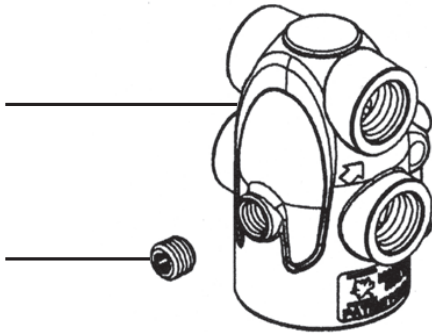


High Pressure, Self-Cleaning Filter

Maximum Flow	10.0 GPM / 37.9 lpm
Maximum Pressure	1000 PSI / 68 bar
Inlet Ports	(2) 3/4" FNPT
Outlet Ports	(2) 3/4" FNPT
Flush Valve	1/2" BSP Male Ball Valve

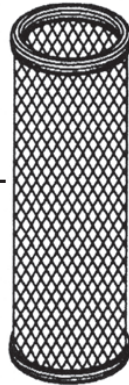
Revised 3-11-2022

144.208.101

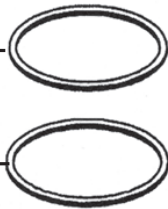


167.1702.1

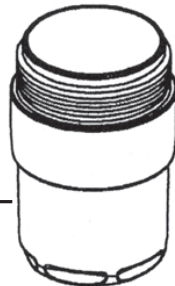
144.203.11



1101.H6



144.208.88



144.1501.9



Part #	Description	Qty
1101.H6	O-RING	2
144.203.11	SCREEN - 30 MESH	1
144.208.88	FILTER BOWL	1
144.208.101	FILTER HEAD	1
144.1501.9	FLUSH VALVE - 1/2" BSP MALE	1
167.1702.1	GAUGE PORT PLUG - 1/4" MNPT	1

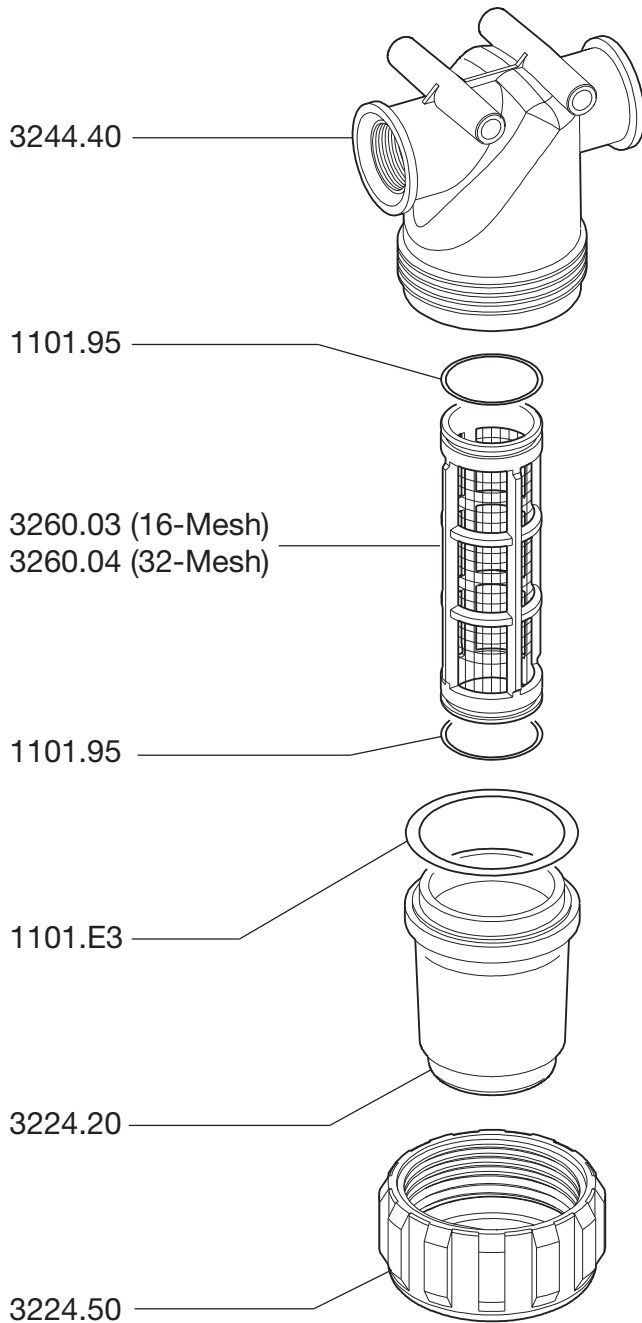
For Diaphragm Pumps, Use 16 Mesh Screens
UD1-16

For Plunger Pumps, Use 32 Mesh Screens
UD1-32

Polypropylene Inline Strainer

Maximum Flow	10.0 GPM / 37.9 lpm
Maximum Pressure	220 PSI / 15 bar
Inlet Port	1" FNPT
Outlet Port	1" FNPT

Revised 3-11-2022



Part #	Description	Qty
1101.95	O-RING	2
1101.E3	O-RING	1
3224.20	BOWL	1
3224.50	NUT	1
3244.40	STRAINER HEAD, 1"	1
3260.03	SCREEN, 16-MESH	1
3260.04	SCREEN, 32-MESH	1

Polypropylene Inline Strainer

For Diaphragm Pumps, Use 16 Mesh Screens

UD-1-1/4-16

UD-1-1/2-16

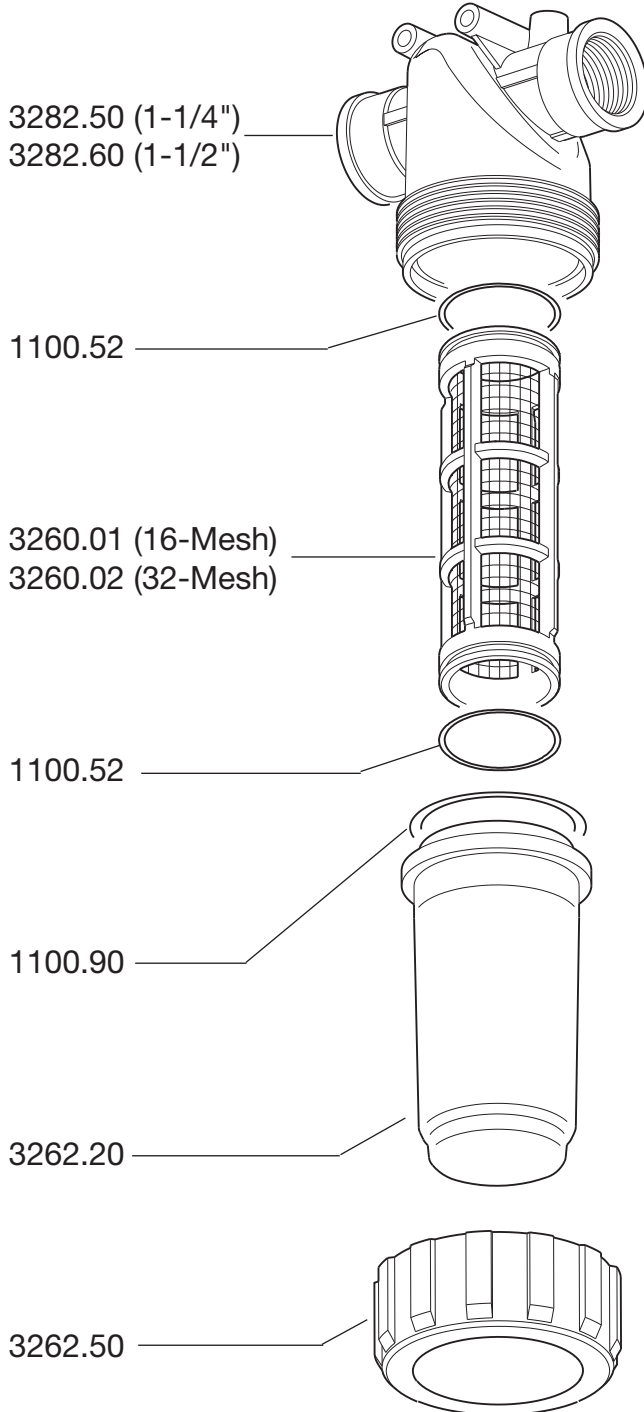
For Plunger Pumps, Use 32 Mesh Screens

UD-1-1/4-32

UD-1-1/2-32

Maximum Flow	10.0 GPM / 37.9 lpm
Maximum Pressure	220 PSI / 15 bar
Inlet Port	1-1/4" or 1-1/2" FNPT
Outlet Port	1-1/4" or 1-1/2" FNPT

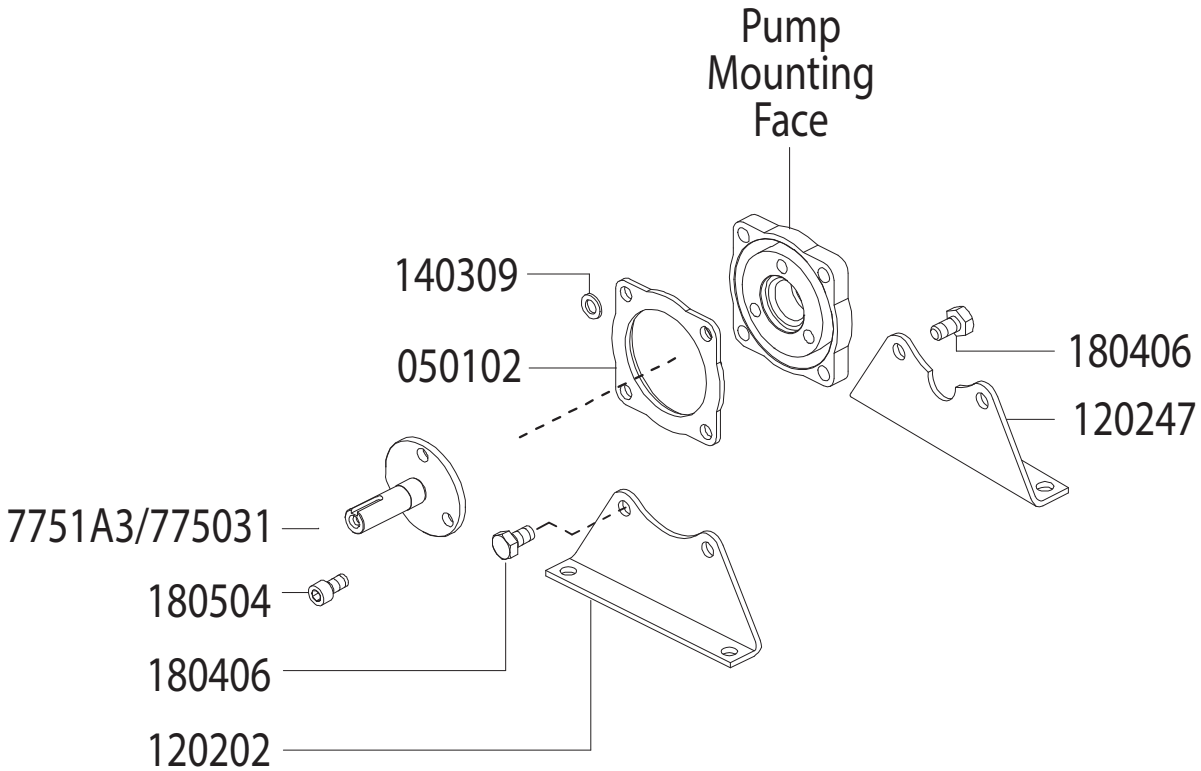
Revised 6-6-2023



Part #	Description	Qty
1100.52	O-RING	2
1100.90	O-RING	1
3260.01	SCREEN, 16-MESH	1
3260.02	SCREEN, 32-MESH	1
3262.20	BOWL	1
3262.50	NUT	1
3282.50	STRAINER HEAD, 1-1/4"	1
3282.60	STRAINER HEAD, 1-1/2"	1

7751.A9 & 7751.A1

3/4" & 1" Male Solid Shaft Kits



Revised 3-1-2020

Part #	Description	Qty
0501.02	Seal Retainer Flange	1
1202.02	Base Plate	1
1202.47	Base Plate with Notch	1
1403.09	Washer	2
1403.36	Washer	2

Part #	Description	Qty
1804.06	Hex Bolt	4
1804.07	Hex Bolt	2
1805.04	Allen Bolt	3
7750.31	3/4" Solid Shaft	1
7751.A3	1" Solid Shaft	1

INSTALLATION INSTRUCTIONS

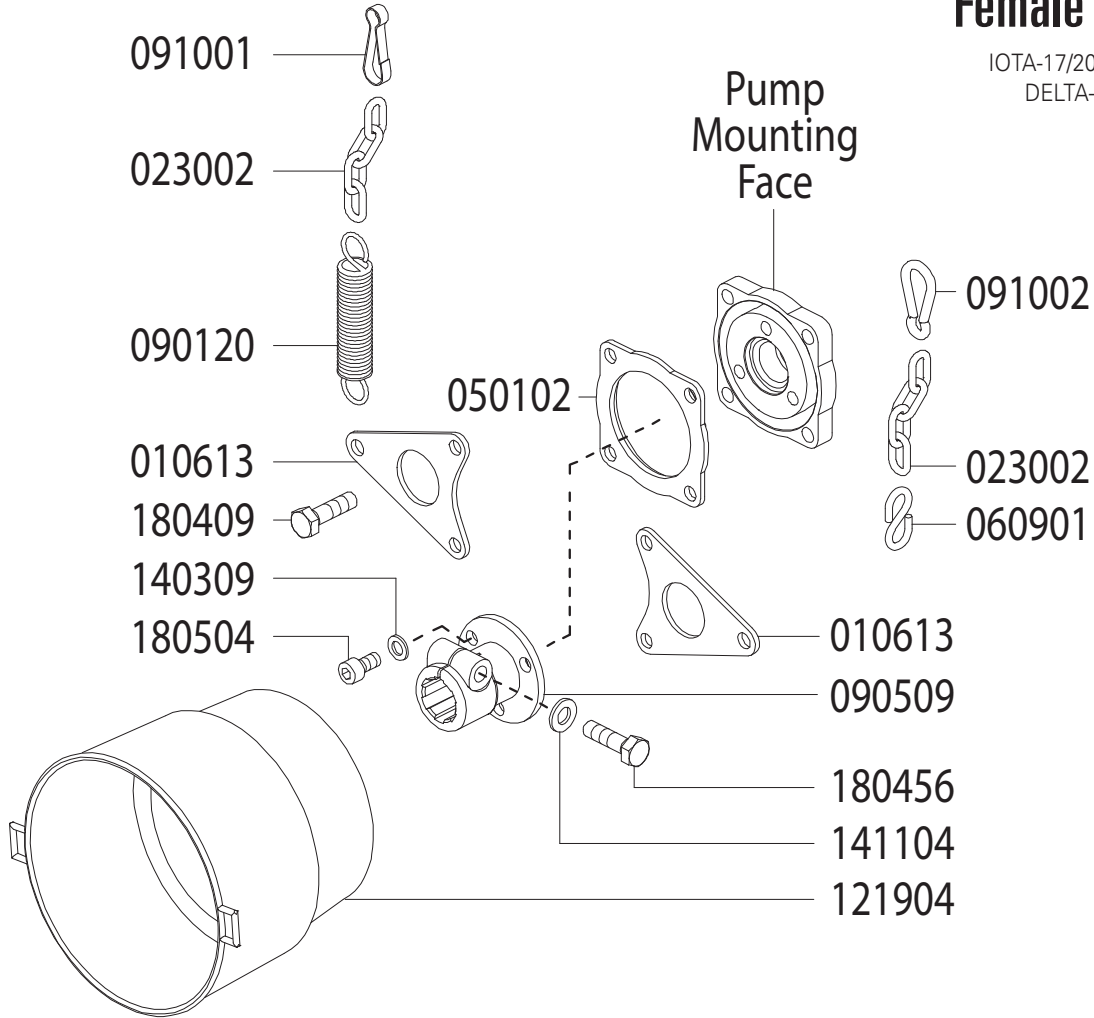
NOTE: USE BLUE THREADLOCKER OR EQUIVALENT ON ALL BOLTS.

1. Attach the shaft to the pump crankshaft using the (3) allen bolts (1805.04).
2. Bolt the NOTCHED base plate (1202.47) to the non-drive side of the pump with (2) hex bolts (1804.06).
3. Position seal retainer flange (0501.02) onto pump mounting flange and install remaining base plate (1202.02) to pump using (2) hex bolts (1804.06). Install remaining (2) hex bolts (1804.06) and (2) washers (1403.09) into seal retainer flange.
4. Pump and base assembly must be secured and aligned properly to prevent movement.
5. If 1" solid shaft kit (Part #7751.A1) is to be driven by a telescopic drive shaft, PTO safety shield must be installed to pump.

NOTE: Adequate protection must be provided in guarding around ALL moving parts, including belts, shafts, pulleys, and drive couplers.

Female PTO Coupler

IOTA-17/20*, KAPPA-30/40/55
DELTA-75, ZETA-40/85



Revised 4-6-2021

Part #	Description	Qty	Part #	Description	Qty
0106.13	Torque Arm Bracket	2	1219.04	PTO Safety Shield	1
0230.02	Chain	2	1403.10	Washer	2
0501.02	Seal Retainer Flange	1	1411.04	Lock Washer	1
0609.01	S-Hook	1	1804.07	Hex Bolt	4
0901.20	Spring	1	1804.56	Hex Bolt	1
0905.09	Female PTO Adapter	1	1804.56	Hex Bolt	1
0910.01	Spring Clip	1	1805.04	Allen Bolt	3
0910.02	Spring Clip	1	1805.24	Bolt	2

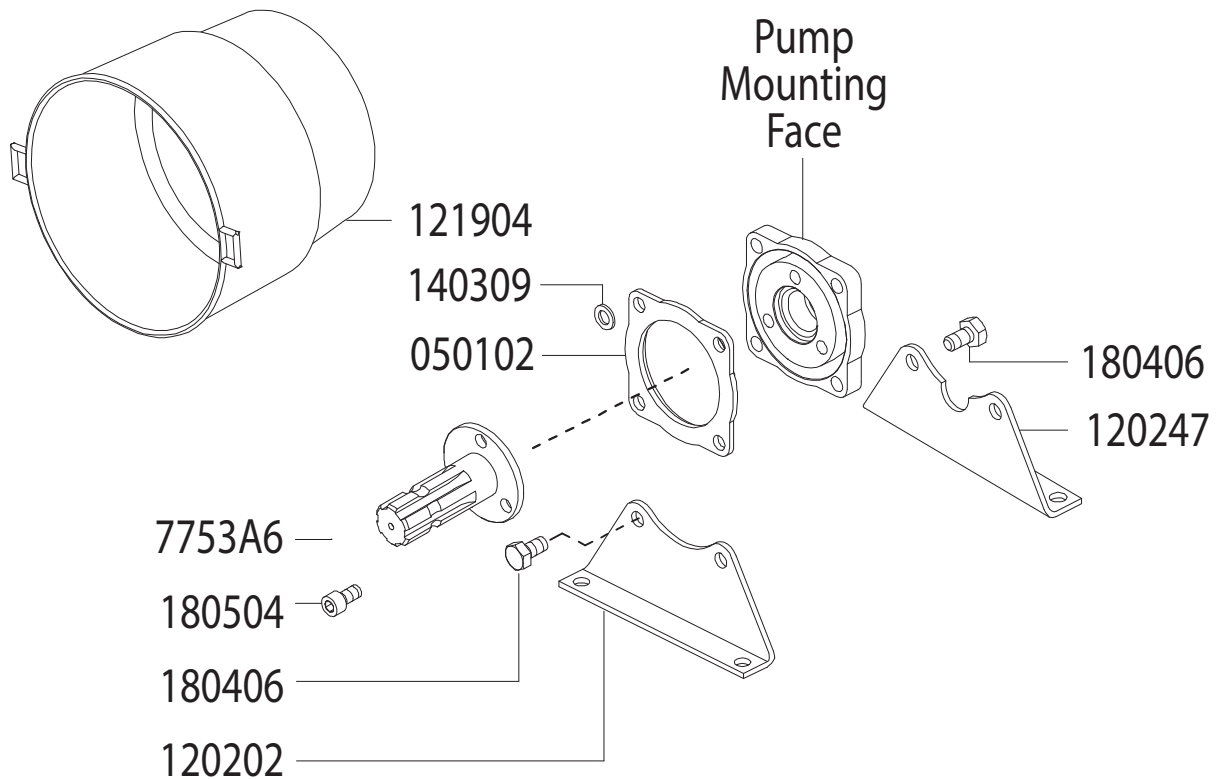
INSTALLATION INSTRUCTIONS

NOTE: USE BLUE THREADLOCKER OR EQUIVALENT ON ALL BOLTS.

- Attach the female PTO adapter (Ref #7450) to the pump crankshaft using the (3) Allen Bolts. (Ref #7900).
- Position seal retainer flange (Ref #7250) onto pump mounting face. Install (2) torque arm brackets (Ref #7030) onto seal retainer flange, as shown above, using the (4) hex bolts (Ref #7751) provided.
- Install PTO safety shield (Ref #7651) to torque arm brackets with the (2) hex bolts (Ref #5950) and (2) washers (Ref #1845) provided.
- Before installing pump onto PTO shaft, inspect PTO shaft for wear or damage. NEVER INSTALL THE PUMP ON A WORN OR DAMAGED PTO SHAFT.
- Slide pump assembly onto PTO shaft and install hex bolt (Ref #7752) and lock washer (Ref #1887).
NOTE - There is an access hole in the PTO safety shield provided for this purpose.
- Secure chains to tractor with spring clips (Ref # 7500 & 7501) to prevent rotation during operation.

WARNING: To prevent serious injury, NEVER operate the pump without the spring clips securely fastened to the tractor

NOTE: To prevent serious injury, PTO drive pumps must NEVER be operated without PTO Safety Shield, (Ref # 7651) installed.



Revised 3-1-2020

Part #	Description	Qty
0501.02	Seal Retainer Flange	1
1202.02	Base Plate	1
1202.47	Base Plate with Notch	1
1219.02	PTO Safety shield	1
1403.09	Washer	2

Part #	Description	Qty
1403.36	Washer	2
1804.06	Hex Bolt	4
1804.07	Hex Bolt	2
1805.04	Allen Bolt	3
7750.31	3/4" Solid Shaft	1

INSTALLATION INSTRUCTIONS

NOTE: USE BLUE THREADLOCKER OR EQUIVALENT ON ALL BOLTS.

1. Attach the shaft to the pump crankshaft using the (3) allen bolts (1805.04).
2. Bolt the NOTCHED base plate (1202.47) to the non-drive side of the pump with (2) hex bolts (1804.06).
3. Position seal retainer flange (0501.02) onto pump mounting flange and install remaining base plate (1202.02) to pump using (2) hex bolts (1804.06). Install PTO safety shield (1219.04) to face of seal retainer flange install remaining (2) hex bolts (1804.06) and (2) washers (1403.09) into seal retainer flange.
4. Pump and base assembly must be secured and aligned properly to prevent movement.

NOTE: Adequate protection must be provided in guarding around ALL moving parts, including belts, shafts, pulleys, and drive couplers.

UDOR USA SALES POLICY

UDOR USA reserves the right to refuse to conduct business with any company that is not in good credit standing or that is not determined to be a qualified equipment manufacturer, wholesaler or distributor.

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All orders will be shipped by UPS, FedEx, USPS and International we use DHL. For LTL truck orders all shipping is Prepaid and Add (PPA). Customer may specify LTL carrier on purchase order.

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To place orders please submit your purchase orders to email (sales@udorusa.com) or fax (800-732-2670). For call in your orders or questions, please call us from 8 a.m. to 5 p.m. CST at 651-785-0666.

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Bank Returned Payments formerly known as NSF. Electronic or Paper
A \$36.00 or current NSF charge the bank charges for returned checks (electronic or paper) will be added to your account. We will notify Accounts Payable Dept. to resolve payment issue.

- 1) A Return Merchandise Authorization (RMA) number is required for all products being returned for warranty evaluation, repair or credit. To obtain an RMA number, please contact UDOR USA customer service at 651-785-0666.
- 2) All products returned for credit are subject to a minimum 10 percent restocking fee based on product evaluation.
- 3) Flush pump to remove any and all chemicals. Drain all pump oil and gear lube.
- 4) The RMA number must appear on the outside of all packages being returned.
- 5) All RMA numbers will be valid for 60 days from date issued. If product is not received within 60 days a new RMA number must be issued.
- 6) Freight for return product is the responsibility of the customer; all products returned must be freight prepaid. Ship to:

UDOR USA / RETURNS
500 Apollo Drive
Lino Lakes, MN 55014

Any collect shipments or any product returned without an RMA number will be refused and returned to sender.

- 7) Any product being returned for warranty evaluation must not be disassembled. Disassembly of the product will void any and all warranties.
- 8) UDOR USA will repair or replace products qualified as defective upon inspection that are judged to be defective due to workmanship or material failure under UDOR USA limited product warranty.
- 9) Customers requiring immediate product replacement for items submitted for warranty evaluation will be invoiced at current price. Limited product warranty will apply to all return products.
- 10) Any product that has been left here past 60 days after contact from UDOR USA will become property of UDOR USA and will be properly disposed.

NOTE:

All pumps and accessories being returned to UDOR USA for repair or warranty evaluation must be flushed of any and all chemicals. This also pertains to crankcases that have contaminated oil. Any pump received that has not been properly flushed will be immediately returned to sender freight collect. This policy has been put into place to protect our personnel from possible exposure to hazardous or unknown substances.

In the course of marketing or servicing the customer or potential customer's needs, UDOR USA will use its best judgment in its product recommendations. However, the ultimate responsibility for product application decisions shall rest with the customer. The sole and only warranty made by UDOR USA is the limited warranty described below.

LIMITED PRODUCT WARRANTY **UDOR Diaphragm Pumps and Gamma Series Plunger** **Pumps & Accessories**

UDOR Diaphragm Pumps and GAMMA Series Plunger Pumps are warranted by the manufacturer to the original purchaser to be free from defects in materials and workmanship under normal use and service for a period of one (1) year.

UDOR Accessories are warranted to be free from defects in materials and workmanship under normal use and service for a period of ninety (90) days.

"Normal use and service" is defined as applications not in excess of recommended maximum speeds, pressures, temperatures or vacuums, only handling fluids which are compatible with pump or accessory materials and maintaining proper oil change intervals.

"Proper oil change intervals" for Plunger Pumps is changing PUMP OIL after the first 50 hour break-in period, and after every 500 hours of use thereafter using UDOR LUBE Premium Pump Oil and UDOR USA original equipment parts.

"Proper oil change intervals" for Diaphragm Pumps is changing pump oil and diaphragms at the end of the spraying season or after 500 hours of use, whichever comes first using UDOR LUBE Premium Pump Oil and UDOR USA original equipment parts.

This Warranty DOES NOT APPLY to freight damage, damage due to freezing, running pump dry (plunger pumps only) or improper lubrication of crankcase, normal wear of moving parts, damage due to misuse or misapplication, defects caused by the fault or negligence of the buyer or third party, or damage due to use of parts or accessories not obtained from or approved by UDOR USA.

This Warranty also does not apply to any pump or accessory which has been altered or modified to affect its performance or reliability or any pump or accessory that has been returned disassembled.

This Warranty excludes "normal wear items" such as elastomers, diaphragms, seals and valves.

All pumps and accessories being returned to UDOR USA for repair or warranty evaluation must be flushed of any and all chemicals. This also pertains to crankcases that have contaminated oil. Any pump received that has not been properly flushed will be immediately returned to sender freight collect. This policy has been put into place to protect our personnel from possible exposure to hazardous or unknown substances.

All warranty evaluation returns must be accompanied by the original purchase invoice and a RMA number. If invoice is not included, UDOR USA will determine warranty by manufacturer's serial number and date of manufacture on the pump label. Any collect shipments or any product returned without a RMA number will be refused and returned to sender.

UDOR USA's obligation under this warranty is limited to repair or replacement of product in question, at UDOR's option, upon return of the product, freight prepaid, to UDOR USA. UDOR USA agrees to be responsible for return shipping costs ONLY on any approved warranty repair or replacement product via ground transportation ONLY. This warranty is in lieu of all other warranties expressed or implied, including any warranty of merchantability and any warranty of fitness for a particular purpose.

IN NO EVENT SHALL UDOR USA BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES OR EXPENSES OF ANY KIND. This includes lost income, travel time and expenses, lodging expenses, labor expenses, down time, shipping costs and any other INCIDENTAL or CONSEQUENTIAL damages or expenses.

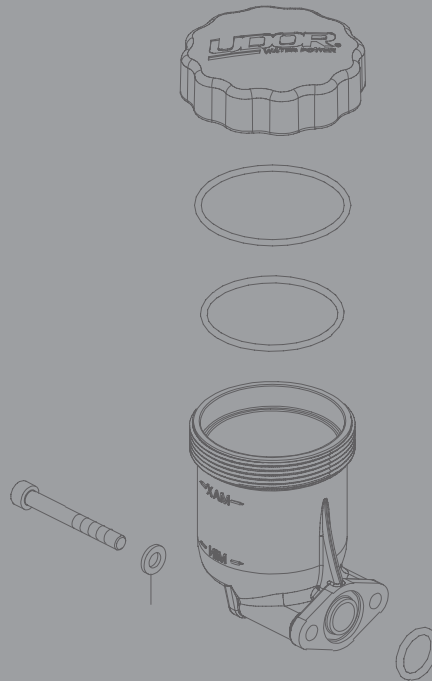
The only and total liability of UDOR USA under this limited warranty or in any claim regarding or involving UDOR USA is expressly limited to the repair, replacement or purchase price of the product.

WARNING!: DO NOT PUMP OR FLUSH PUMP WITH ANY FLAMMABLE, EXPLOSIVE, CAUSTIC OR CORROSIVE FLUIDS.

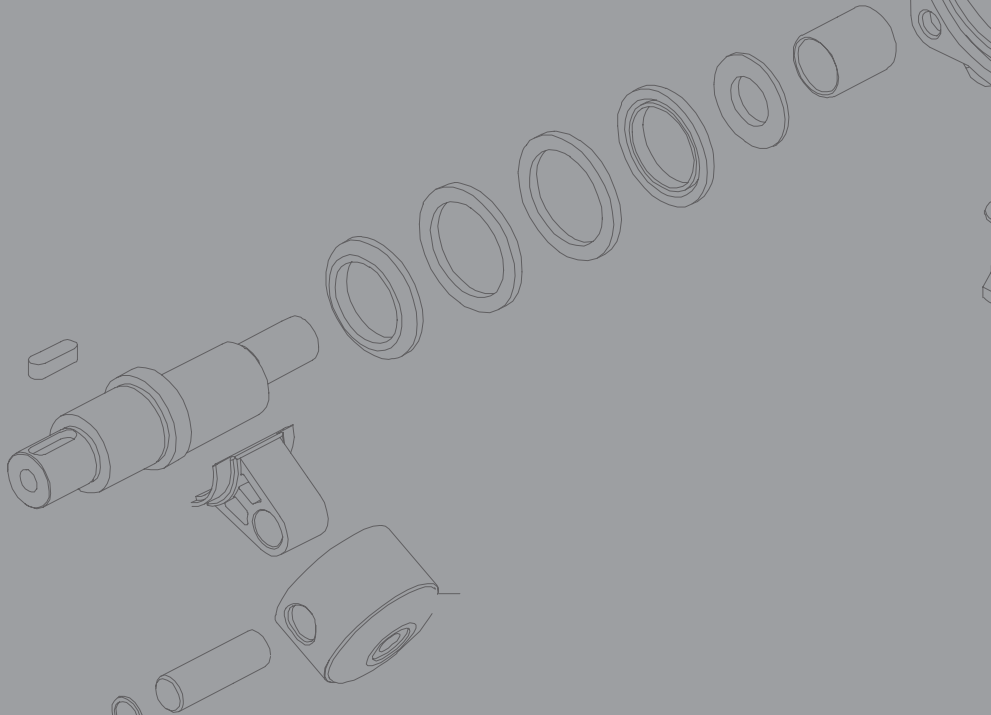
DO NOT USE ANY OF THESE PRODUCTS IN AN EXPLOSIVE ATMOSPHERE.

FAILURE TO FOLLOW THIS WARNING CAN RESULT IN PERSONAL INJURY OR PROPERTY DAMAGE AND WILL VOID ANY AND ALL WARRANTIES.

This Warranty supersedes any and all previous Warranties.



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