

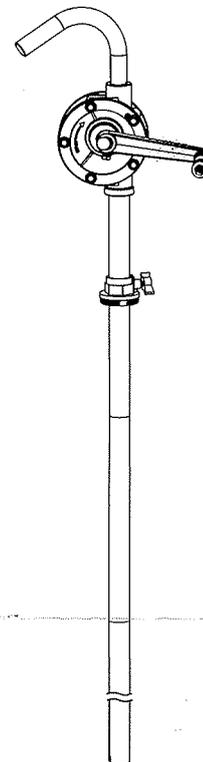
IMPORTANT: READ BEFORE USING

INSTALLATION & OPERATING INSTRUCTIONS

PPS ROTARY DRUM PUMP

Description

Made of advanced non-oxidation and rust-resistant materials –Polyphenylene Sulfide (PPS) and Stainless Steel 304, this pump is ideal for transferring soluble, corrosive, volatile and aggressive chemicals, such as Esters, Alcohols, Alkali, Acids, Hydrocarbons, Petrol and other fluids are compatible with pump materials of construction. Also suitable for pumping petroleum based fluids, such as Automotive Additives, Diesel, Lube Oils, Kerosene, Solvents, Thinner, Benzene, Cleaning Solutions, Fuel Oils, Transmission Fluid, and water based chemicals, Anti-Freeze, Soaps, Waxes, and etc. Supply with 2" bung adapter and a 3-piece stainless steel suction tube to fit most 15, 30 and 55 gallon drums.



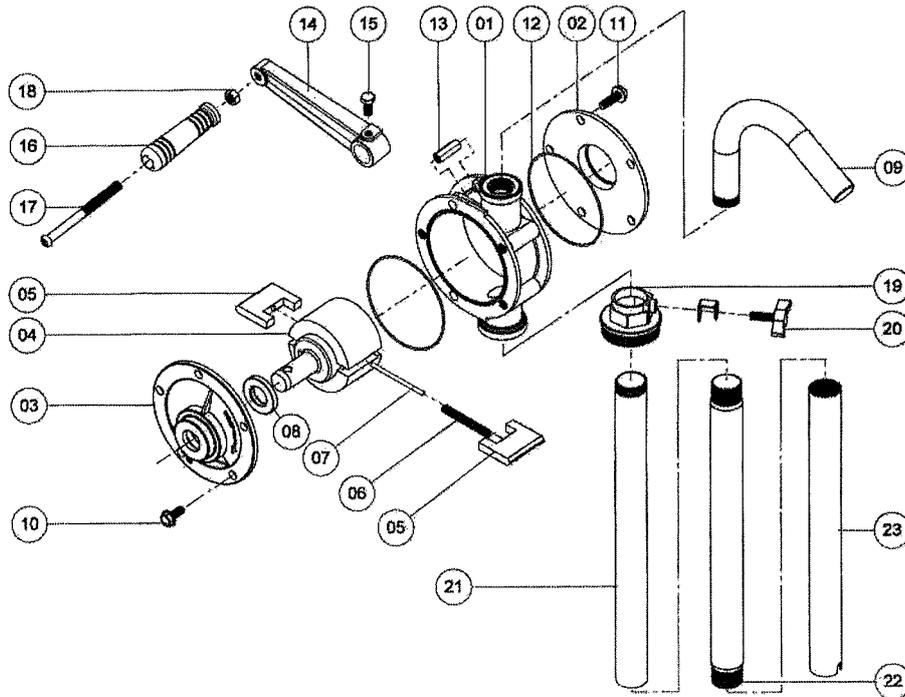
Specifications

Pump Type.....	Rotary - Vane
Flow.....	12 oz / Stroke
Maximum Fluid Temperature.....	140°F / 60°C
Bung Adapter.....	2" Male
Suction Tube Length.....	40" Maximum
Inlet.....	1-1/4" O.D.
Outlet.....	1" O.D. Curved Spout
Wetted Materials of Construction.....	PPS, 304SS, PTFE, PVDF & Phenolic
Maximum Viscosity.....	2,000 SSU

General Safety Information

1. Always carefully read, thoroughly understand and follow the pump operating instructions. Use this pump correctly and with care for the intended purpose. Failure to obey may cause damage or body injury, and will invalidate the warranty. Retain instructions for future reference.
2. Contact your chemical or fluid supplier to check for compatibility with pump before installation and operation
3. Prior to use, always carefully and thoroughly read and understand the OSHA information contained in the Safety Data Sheet supplied for the chemical which is to be pumped.
4. Wear protective clothing (goggles, face masks, long sleeves, long pants, gloves, aprons, etc.) as set forth in the OSHA Safety Data Sheet when pumping any hazardous chemicals.
5. For flammable liquids, containers should be grounded to avoid static electricity.
6. Any pump used for transferring flammable liquids must be stored in a ventilated area after use.
7. Pump should be washed out before it is used since processing lubricants may contaminate the fluids.
8. Prior to use, inspect your pump completely by verifying its proper assembly.
9. If pump is removed from the drum, it should be thoroughly rinsed in a liquid that is compatible with both the pump and fluid.

Repair Parts Illustration



Repair Parts List

Ref No.	Description	Qty
1	Pump Body	1
2	Rear Cover	1
3	Front Cover	1
4	Rotor	1
5	Vane	2
6	Spring	1
7	Spring Rod	1
8	Lip Seal	1
9	Discharge Spout	1
10	Cap Screw	4
11	Cap Screw	6
12	O-Ring	2
13	Hex Bridge	2
14	Crank Arm	1
15	Set Screw	1
16	Handle	1
17	Handle Shaft	1
18	Hex Nut	1
19	Bung Adapter	1
20	Thumb Screw	1
21	Suction Tube	1
22	Suction Tube	1
23	Suction Tube	1

Assemble and Installation

1. Check if all parts are included.
2. Screw discharge spout (Ref No. 9) into pump body (Ref No. 1) outlet after using PTFE tape provided onto the thread of spout. Do not use pipe sealant nor glue.
3. In order to avoid any leakage, please use PTFE sealant tape provided to seal the thread joints of the suction tubes (Ref No. 21+22+23). Slip the bung adapter (Ref No. 19+20) over the upper suction tube and then screw suction tube assembly into pump inlet.
4. Insert handle shaft (Ref No. 17) through handle (Ref No. 16). Turn the hex nut (Ref No. 18) onto handle shaft until handle rotates freely. Screw handle set (Ref No. 16+17+18) to crank arm (Ref No. 14). Keep handle shaft from turning. Tighten hex nut (Ref No. 18) against crank arm. Then insert crank arm assembly onto rotor (Ref No. 4) and align set screw (Ref No.15) to indent in rotor shaft.
5. Put assembled pump set in the container and tighten the thumb screw (Ref No. 20) of bung adapter until the suction tube stands firmly. Be sure to install pump to the desired depth in the drum, the filter at the end of the suction tube and is not blocked.

Operation

1. To begin to pump, rotate handle clockwise several times making complete revolutions until fluid begins to flow. Several revolutions will be made with no fluid dispensed as pump needs to prime. Once primed, fluid flow begins as handle is rotated.
2. For siphoning or draining fluid back into drum, place handle in the straight down position.
3. To stop siphoning and maintain suction or prime, leave handle in horizontal position.
4. If corrosion builds up in pump due to lack of use or fluid being pumped, adding penetrating oil into the pump inlet may help free pump. Remove pump from application, add penetrating oil, let soak, and then crank several times.
5. Regularly check pump and suction tubes for leakage. Leakage in the suction line or in pump housing will cause inefficient pumping and loss of prime.
6. **WARNING:** If the rotor is stuck, please disassemble whole pump body. And clean all parts and remove any solid appeared inside. Then re-assemble the pump body appropriately and keep using. Due to the material is fragile, forcing to rotate the pump will make the rotor broken easily.