

IMPORTANT: READ BEFORE USING

Operating Instructions & Parts Manual

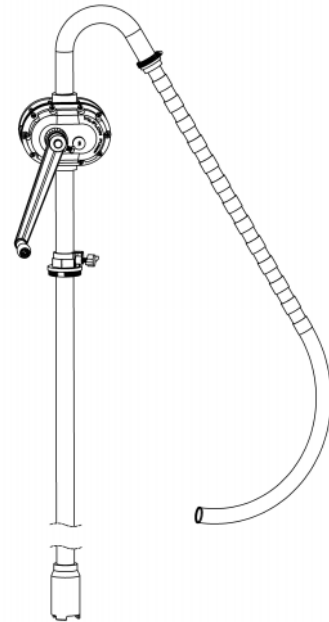
High Flow Drum Pump

Description

This pump is commonly used for dispensing or transferring non-corrosive and petroleum based fluids, such as Diesel, Kerosene, Gasoline, Petrol, Transmission Fluid, Machine Oil, Lube Oil, Fuel Oil, Anti-Freeze, and ideal for heavy-duty use in industrial, automotive and agricultural applications. Supply with a 2" bung adapter to fit most 15, 30 and 55-gallon drums. This pump is a self-priming unit, dispenses approximately 12 oz per stroke. Do not use this pump with organic solvents, strong alkalis, strong acids and water-based fluids.

Specifications

Pump Type	Rotary - Vane
Flow	1 Liter / Stroke
Maximum Fluid Temperature	140°F / 60°C
Bung Adapter	2" Male
Suction Tube Length	40" Maximum
Inlet	1-1/4" O.D.
Outlet	1-1/4" O.D.
Wetted Materials of Construction	Aluminum, Steel & NBR
Maximum Viscosity	5,000 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 purpose for which it is intended. Failure to do may cause damage or personal injury, and will invalidate the warranty. Retain instructions for future reference.
2. Contact your chemical or fluid supplier to check for compatibility with pump prior to 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. When using flammable liquids, pump 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 thoroughly verifying its proper assembly.
9. If pump is removed from drum, it should be thoroughly rinsed in a liquid that is compatible with both the pump and fluid.

Assemble and Installation

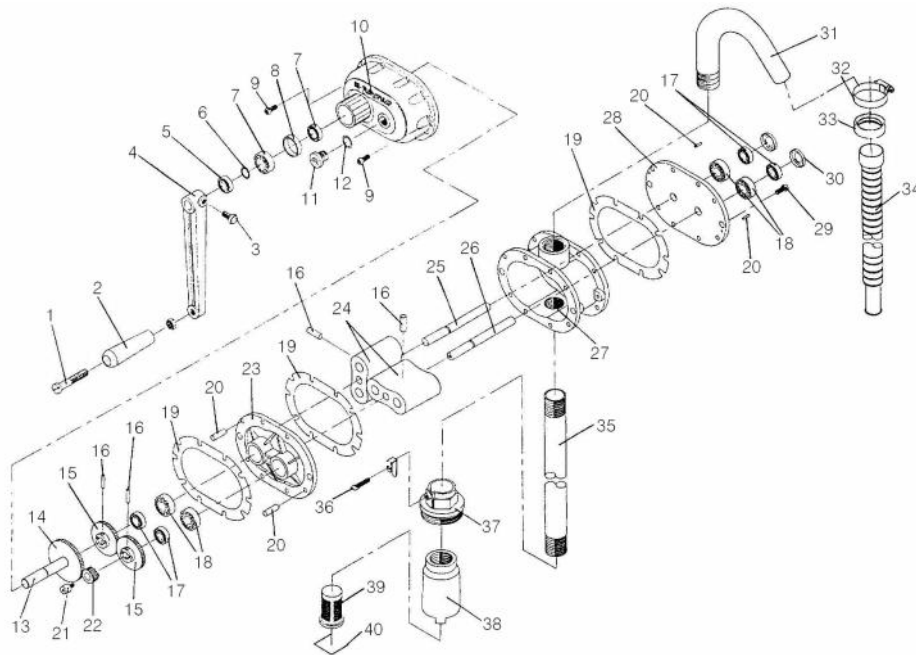
1. Check to see if all parts are included.
2. Assemble handle (Ref No. 1+2+3+4)) to Reinforcement Shaft (Ref No. 13). Align set screw (Ref No. 3) to indent of Reinforcement Shaft (Ref No. 13) and tighten the set screw (Ref No. 3) to Reinforcement Shaft (Ref No. 13).
3. In order to avoid leakage, please use Teflon tape provided to seal three suction pipe (Ref No. 35). Insert the bung adapter (Ref No. 36+37) into suction pipe (Ref No. 35) and thread suction pipe (Ref No. 35) into pump inlet.

4. Insert pump and suction tube assembled with bung adapter into the drum, and then tighten bung adapter thumb screw (Ref No. 36) by hand. Be sure to set pump and suction tube assembly so that the suction tube is at the desired depth in the drum and is not blocked.

Operation

1. Fill with SAE 10 oil or equivalent lubricant up to the reference line through the lubrication bolt hole which sealed with rhombic bolt (Ref No. 11). As short lubricant can damage the gears, test and inspect the lubrication periodically can avoid troubles occur.
2. Turn the handle in clockwise direction and discharge one liter per revolution.
3. A filter of #60 mesh polyethylene net is provided, located at the bottom of suction pipe. Motor revolution becomes harder when the filter is clogged with dust. Remove the filter periodically and clean with kerosene.
4. Warning: The pump will become harder to turn if used with high viscosity liquid, which may shorten the life of the pump. Do not pump with any solvent, chemical, waste oil and stained liquid.

Repair Parts Illustration



Repair Parts List

Ref No.	Description	Q'ty	Ref No.	Description	Q'ty	Ref No.	Description	Q'ty
1	Handle Rivet	1	15	Timing Gear	2	29	Screw	10
2	Handle	1	16	Pin	4	30	Bearing Cap	2
3	set screw	1	17	Oil Seal	4	31	Spout	1
4	Crank Arm	1	18	Bearing	4	32	Hose Band	1
5	Oil Seal	1	19	Cover Packing	3	33	Red Ring	1
6	Stop Ring	1	20	Pin	4	34	Delivery Hose	1
7	Bearing	2	21	Screw	1	35	Suction Pipe	1
8	Bearing Collar	1	22	Pinion Gear	1	36	Thumb Screw	1
9	Screw	10	23	Inside Cover	1	37	Bung Adapter	1
10	Gear Cover	1	24	Roots	2	38	Filter Body	1
11	Rhombic Bolt	1	25	Roots Shaft	1	39	Strainer	1
12	O-Ring	1	26	Roots Shaft	1	40	Filter Stopper	1
13	Reinforcement Shaft	1	27	Housing	1			
14	Reinforcement Gear	1	28	Outside Cover	1			