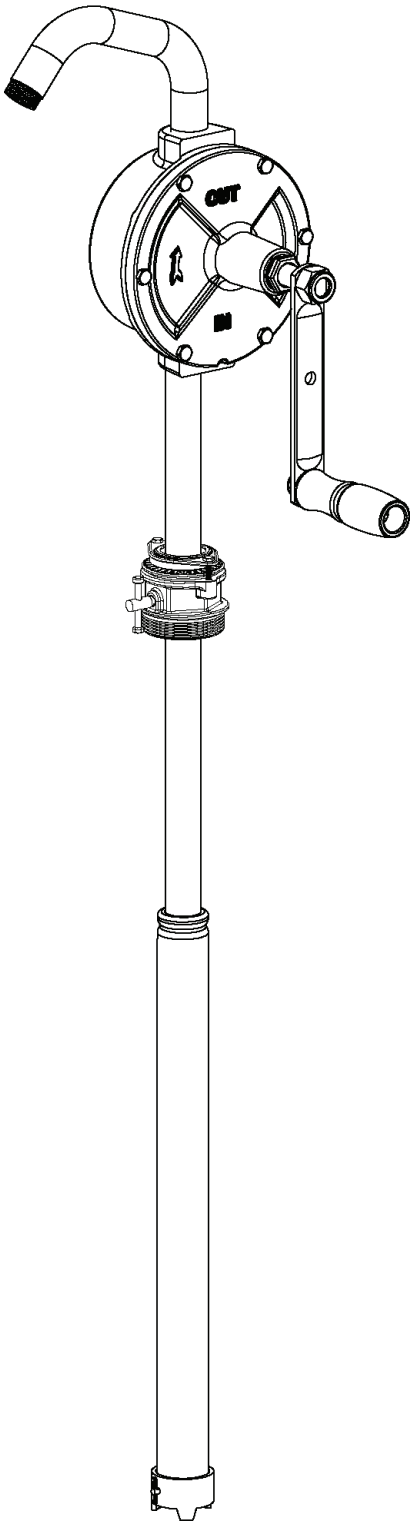
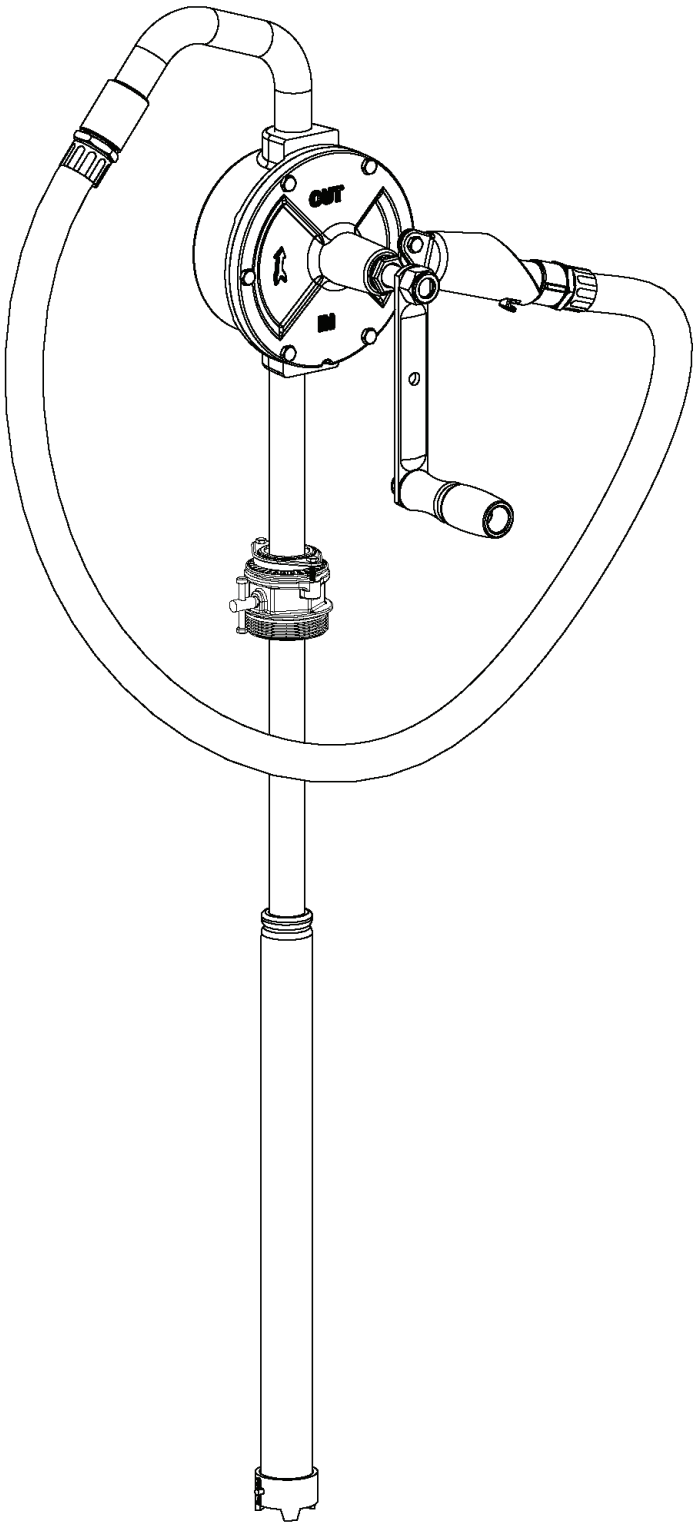


MODEL
1385



MODEL
1385–H

MODEL 1385 & 1385-H
Professional Rotary Drum Pump

OWNER/OPERATOR RESPONSIBILITY
All instructions and warnings contained in this manual shall be read and understood by the owner/operator prior to operating this equipment.

It is the owner/operator responsibility to maintain the legibility of all warning and instruction labels.

The owner/operator shall retain this manual for future reference to important warnings, operating and maintenance instructions.

DESCRIPTION
Fluid transfer pump for use with oil-based fluids, heating oils, motor oils, heavy & light oils, ATF, diesel, kerosene & anti-freeze.

NOT SUITABLE FOR USE WITH GASOLINE, WATER BASED FLUIDS (i.e. windshield washer fluid), SOLVENTS, NOR ACIDS.

The outlet discharge spout is thread size ¾-11½ AN. This is the common thread found on most aftermarket hoses.

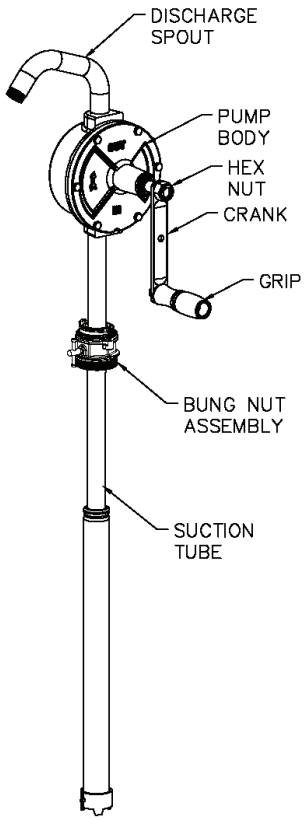
PRODUCT BRIEF
- Easy installation
- Extremely durable cast iron design, low-wear graphite three-vane impellers, high-strength precision fit grip
- Exceptional vacuum eliminates the need to prime pump
- Delivers fluid without the excessive splash common to other rotary designs
- 1385-H contains an 8 foot hose, dispense nozzle and hose holder
- Provides the portabilty and convenience of a manual design
- Excellent for demanding markets such as agriculture, construction, industrial and large service facilities
- Includes 2” male NPT bung adapter and telescopic pick-up tube to fit 16-55 gallon container depths with 2’’ bung
- Fully servicable

INSTALLATION AND ASSEMBLY
1) Slide the bung onto the top portion of the suction tube. Do not tighten.
2) Wrap the male suction tube threads with teflon tape or equivalent. Thread the suction tube into the inlet side of pump. (see marking on pump) tighten securely.
3) Extend the pick-up tube and place it into the drum’s 2” bung opening.
4) Thread the bung bushing into the tank and tighten it securely.
5) Postion the pump head at the desired height and angle and tighten the bung side bolt.
   NOTE: if the pump position is too high the pick-up tube cannot capture fluid below the intake base.
6) Wrap the discharge spout threads with teflon tape or equivalent. Thread the discharge spout onto the output side of pump.
7) Attach the pump handle onto the pump shaft and secure with the hex nut. (torque to 40 ft-lbs)
8) On the model 1385-H; securely attach the die-cast dispensing nozzle to the end of hose after wrapping with teflon tape or equivalent.
9) Securely attach the other end of hose to outlet tube after wrapping with teflon tape or equivalent.
10) Attach the die-cast hose holder to the side of the pump by removing the cover bolt shown on the nozzle holder detail. Tilt the holder about 30° to prevent the loss of any fluid remaining in hose during use.
11) Retighten the bolt to secure into position. (torque to 50 in-lbs/4 ft. lbs.)

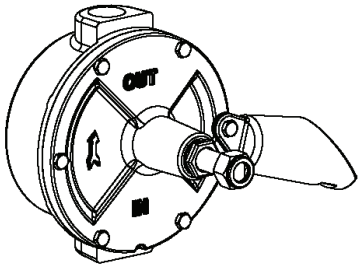
ATTENTION
- Wear protective eyewear and clothing.
- Do not smoke near the pump.
- Do not use near fire or flame
- Store in a well ventilated area

WETTED COMPONENTS
Cast Iron, Steel, Graphite, Paper Gasket, Polypropylene.

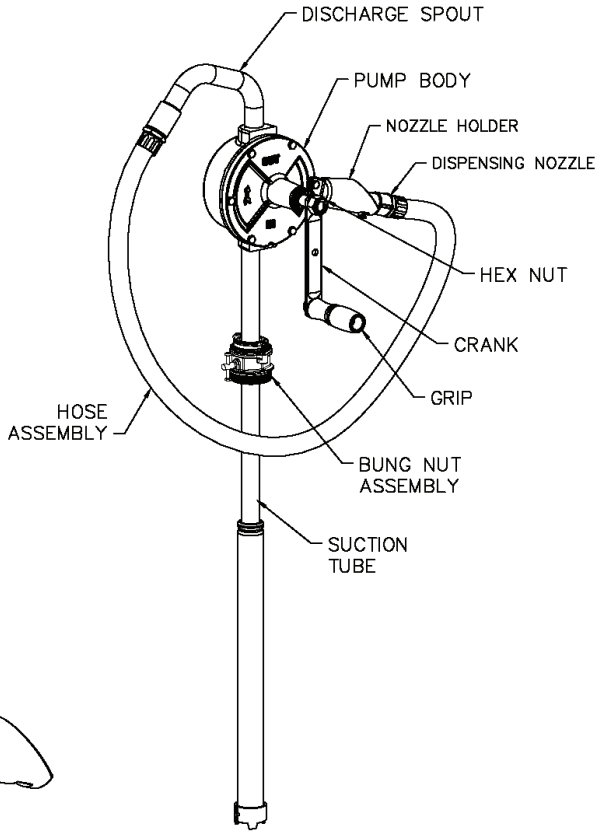
SPECIFICATIONS:
Maximum viscosity – SAE 140
Maximum fluid temperature: 250°F / 120°C
Output: 10 gallons (38L) per minute @ 120 RPM
Output per revolution: .35QTS / .33L
Mounting: 2 Inch NPT (M)
Adjustable suction tube length: 18” (46 cm) to 34.5” (87.5 cm)



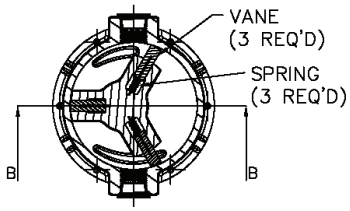
MODEL 1385



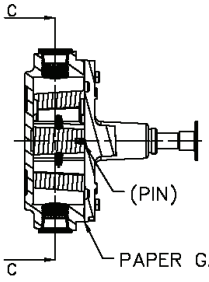
NOZZLE HOLDER DETAIL



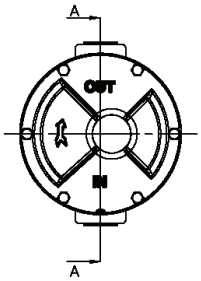
MODEL 1385-H

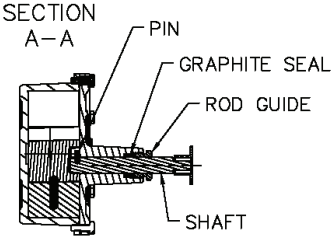


SECTION C–C



SECTION A–A





SECTION B–B

MODEL	1385		1385-H
SUCTION TUBE	277188		277188
HANDLE ASSEMBLY	277189		277189
GRIP			
CRANK			
HEX NUT			
BUNG NUT ASSEMBLY	277191		277191
HOSE ASSEMBLY	N/A		277193
VANE REPAIR KIT	277202		277202
VANE (3 REQ'D)			
VANE SPRING			
PAPER GASKET			
DRIVE SHAFT REPAIR KIT	277190		277190
SHAFT			
GRAPHITE SEAL			
ROD GUIDE			
SHAFT PIN			
ACCESSORY KIT	277199		277200
DISCHARGE SPOUT	*		*
HEX NUT FOR HANDLE	*		*
DISPENSING NOZZLE			*
NOZZLE HOLDER			*
COUPLER			*

*INCLUDED IN ACCESSORY KITS LISTED DIRECTLY ABOVE

TROUBLE SHOOTING

SYMPTOM	PROBABLE CAUSE	CORRECTIVE ACTION
Pump fails to move fluid	1. Pick-up tube not extended into fluid.	Verify tube is extended below the fluid depth in drum.
	2. Poor seal between suction tube and pump.	Reapply teflon tape to the male suction tube threads and tighten securely.
	3. Debris in pump vanes.	Remove handle and cover plate, remove any debris, check for worn or scored components. Replace as necessary.
Low flow rate	1. Poor seal between suction tube and pump.	Reapply teflon tape to the male suction tube threads and tighten securely.
	2. Debris in pump or pump tube, discharge spout or hose	Remove handle and cover plate, remove any debris. Clean hose, pick-up tube and/or discharge spout.
	3. Worn internal parts	Remove handle and cover plate, remove any debris, check for worn or scored components. Replace as necessary.
	4. Kinked or damaged hose	Replace hose.
Pump seized or handle turns hard	1. Debris in pump or pump tube.	Remove handle and cover plate, remove any debris. Clean pick-up tube.
	2. Pump rusted or components swelled or damaged from improper fluid use.	Check for housing rust, worn or swollen seals. Replace as necessary.
Leaking from rod guide	1. Rod guide needs adjustment	Using 1” wrench, tighten the rod guide in ¼ incre- ments in clockwise direction. Rotate the shaft by handle and check for leakage. Repeat step 1 if leakage is found. Repeat step 1 and 2 until leakage is stopped.