



# Instruction Manual

## DC505 - FM Approved Rotary Drum Pump

### RECOMMENDED USE

Petroleum-based media and diesel fuels

FM-approved version can additionally be used with class I and II flammable and combustible liquids such as gasoline, naphtha, alcohols and other solvents compatible with the pump components.

### DO NOT USE

Water-based media, solvents, acids, alkalis

### FEATURES

1. Hand-operated rotary barrel pumps are extremely rugged, reliable and heavy-duty; used for convenient transfer of non-corrosive fluids.
2. Manufactured for efficiently handling a wide range of fluids in industrial, automotive and agricultural applications.
3. 3-vane construction facilitates self-priming and allows for rapid transfer of liquids at steady rate. Vanes are manufactured from graphite which are tough, low-friction with better wearing qualities.
4. Pump body has a sturdy cast iron construction and is CNC-machined to close tolerance for high performance.
5. Complete with self-adjusting steel suction tube with strainer basket, grip, crank, steel discharge sprout and 2" cast iron bung adapter.
6. Fits 15 to 55-gallon (50-205 L) drums.

### ACCESSORIES

Drip pan available as spare. Used to drain over flown media back to the drum, as well as hold small containers during dispensing.

### ASSEMBLY & OPERATION

1. Slide the bung onto the suction tube. Do not tighten the bung onto the suction tube, keep it loose.
2. Screw the telescopic suction tube into the female threads in the pump inlet. It is good to practice to use a thread sealant such as Teflon when connecting the telescopic suction tube to the pump inlet. Tighten the connection securely to eliminate any air leaks.
3. Extend the telescopic suction tube to its full length and insert the suction tube connected with the pump into the drum from the second threaded opening on the drum.
4. Once the bottom of the suction tube touches the base of the drum, securely fasten the bung onto the drum.
5. Now tighten the bung securely onto the suction tube.
6. Screw the metallic discharge spout at the threaded outlet of the pump housing.
7. Slide the crank already fitted with plastic grip over the pump shaft and tighten it using the hexagonal nut.
8. Take an empty container and place it at the end of the hose/steel discharge spout. Start operating the pump handle which will allow the pump to get primed and start dispensing media in 7-10 strokes

### ASSEMBLY & OPERATION FOR DC505

1. Assemble the rubber hose with the die cast dispensing nozzle onto one end of the hose. Assemble the other end onto the steel discharge spout.
2. Assemble the nozzle holder with the pump body. Remove the bolt from pump body, place nozzle holder at this specified location and re-tighten the hex bolt.

### CAUTION

1. Always wear protection gear like safety goggles, gloves, apron, and ear plugs while operating the pump.
2. In case of accident, immediately seek medical attention. Do not try to treat the injury yourself.
3. Use only genuine factory parts for repair.
4. Do not smoke when using/near the pump.
5. Do not use the pump near a source of spark/open flames.
6. In case of change of working fluid, at least 1 L (or as desired) of new fluid should be discarded to avoid mixing of fluids.
7. Keep work area clean, uncluttered, and properly lighted; replace all unused tools and equipment.

### NOTE

Any pump used to transfer flammable liquids must be stored in a well ventilated area after use.

Use Teflon tape or proper sealant to secure joints.

Failure to follow all general safety information can result in a fatality, personal injury and/or property damage!

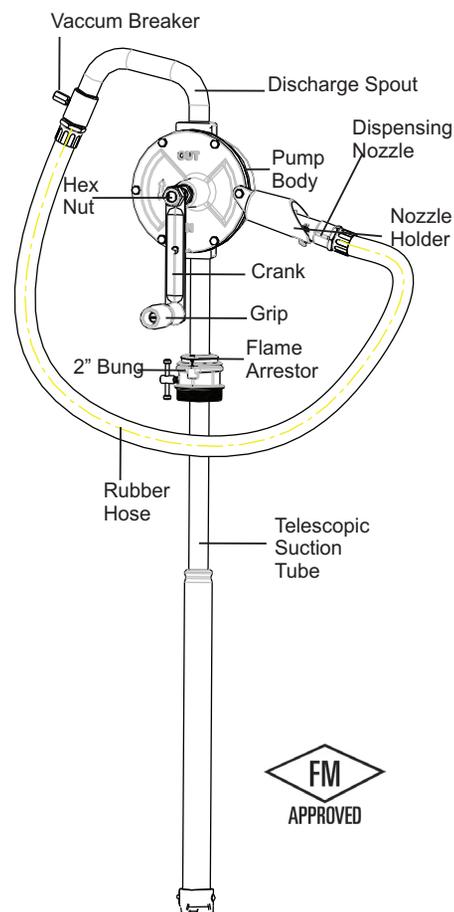
### PUMP SPECIFICATIONS

Inlet / Outlet	3/4" NPT (F)
Flow	38LPM (10 GPM) @120 RPM
Maximum Fluid temperature	250°F/ 120°C
Mounting	2" MNPT Bung Adapter
Maximum Viscosity	2000 SSU
Suction Tube Length	18.2" (460mm) to 34.5" (875mm)

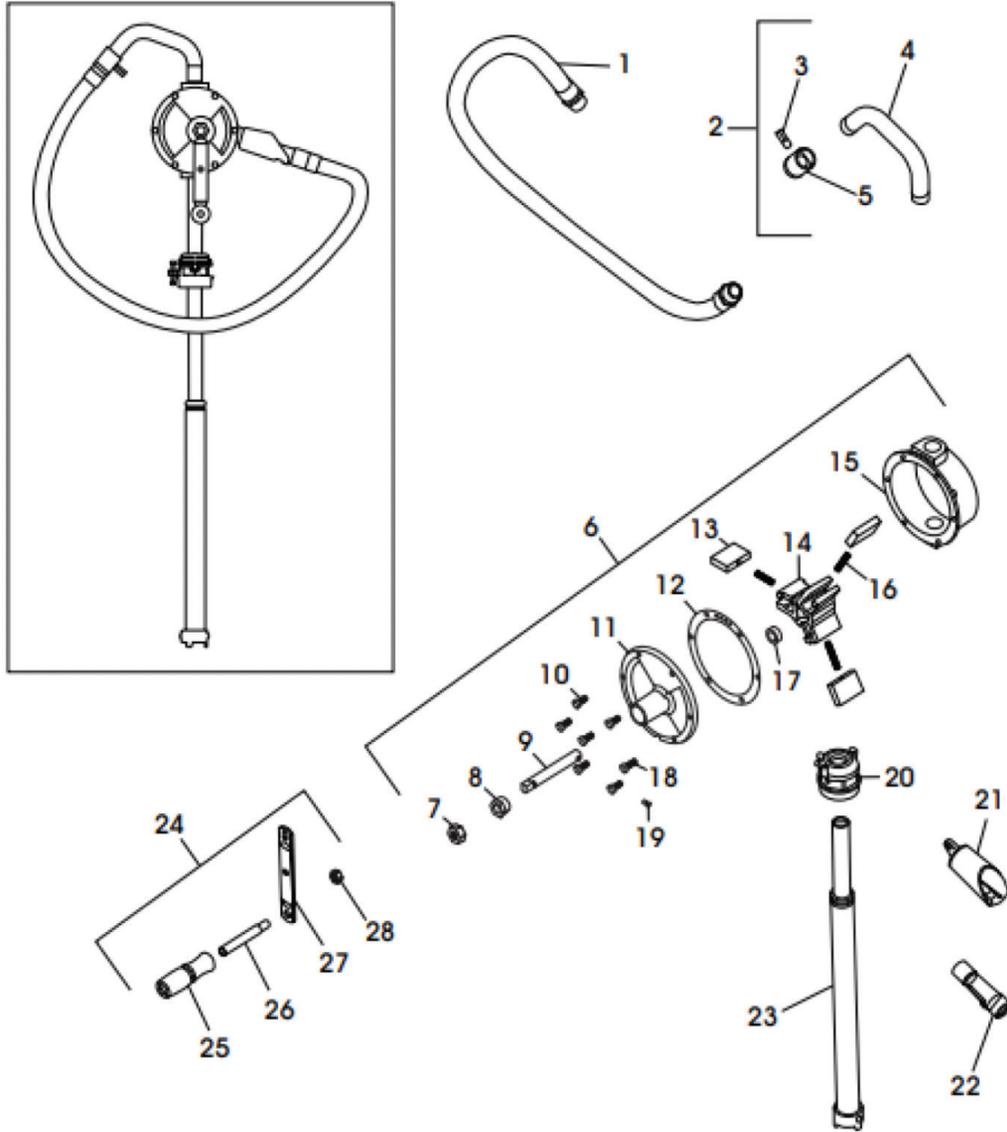
### WETTED

### COMPONENTS:

Aluminum, Cast Iron, Steel, Graphite, Buna-N, Polypropylene & Rubber EPDM



## PUMP COMPONENTS



#	DESCRIPTION	QTY.
1	Rubber Hose	1
2	Discharge Spout Assembly	1
3	Air Release Valve	1
4	Discharge Spout	1
5	Adapter	1
6	Pump Body Assembly	1
7	Clinch Nut	1
8	Rod Guide	1
9	Shaft	1
10	1/4" Bolt	6
11	Cover	1
12	Paper Gasket	1
13	Vane	3
14	Rotor	1

#	DESCRIPTION	QTY.
15	Body	1
16	Spring	3
17	Graphite Seal	1
18	1/4" Bolt	1
19	Pin	1
20	Bung	1
21	Nozzle Holder	1
22	Dispensing Nozzle	1
23	Telescoping Suction Tube	1
24	Handle Assembly	1
25	Grip	1
26	Screw	1
27	Crank	1
28	Clinch Nut	1