



Model 23650-Series POLYPROPYLENE

LABORATORY DRUM PUMPS

Tube: Polypropylene
Impeller: Axial Flow, Polypropylene
Shaft: Hastelloy C
Seal: Lip Seal of Viton*
Port: 3/4" Dia., Slip-on Hose Discharge
Weight: 1- 3/4 lb. (0.8 Kg) average

APPLICATIONS

Specifically designed to be used in laboratory size containers where fluids are to be transferred to smaller containers for handling.

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| | WARNING Explosion hazard. Do not use where flammable vapors are present. Do not pump solvents, thinners or gasoline. To do so can cause an explosion which can result in injury or death. |
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OPERATING INSTRUCTIONS

- General** – When operating the JABSCO drum pump, protective clothing, gloves, and safety glasses should be worn. All standard safety practices should be followed.
- Installation** – Pump may be mounted through bung hole in drums, on side of vats and tanks, and through top of carboys. Barrel Adaptors are available to hold pump in stationary or rigid position. When inserting drum pump into barrel, vat or drum slowly lower pump into container to avoid spills. Correct pump length should be selected for container with which pump is to be used.
- Drive** - An electric motor (23640-series) and a rechargeable motor (23780-series) are available to drive the pump. Refer to Motor Data Sheet for details (form number 43000-0690 and 43000-0689).
- Temperature Range** – Maximum pumpage temperatures are 32°F - 130°F (0° - 55°C).
- Performance Limits** – Maximum specific gravity of 1.8 or viscosity of 2500 ssu (540 cp) are the recommended limits for normal use. Contact factory for further information.
- Spare Parts** – Use JABSCO service parts for replacement and repair.
- Running Dry** - Unit has been designed for limited run dry capacity. Do not run dry for more than 30 minutes. Lack of liquid will eventually damage bearing and other pump parts.

* Viton is a registered trademark of DuPont Dow Elastomers L.L.C.

Jabsco



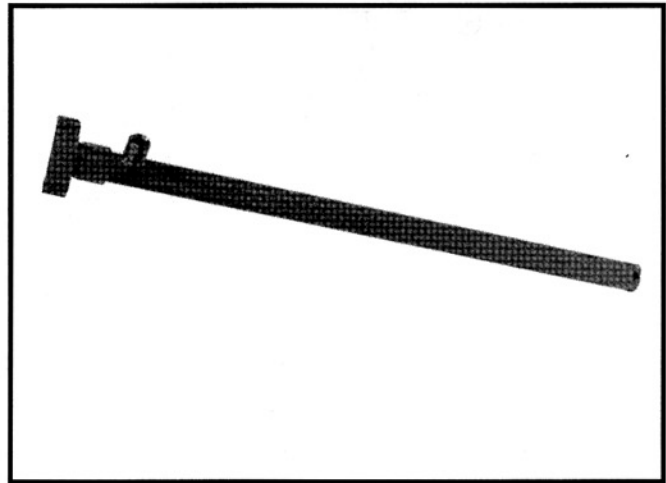
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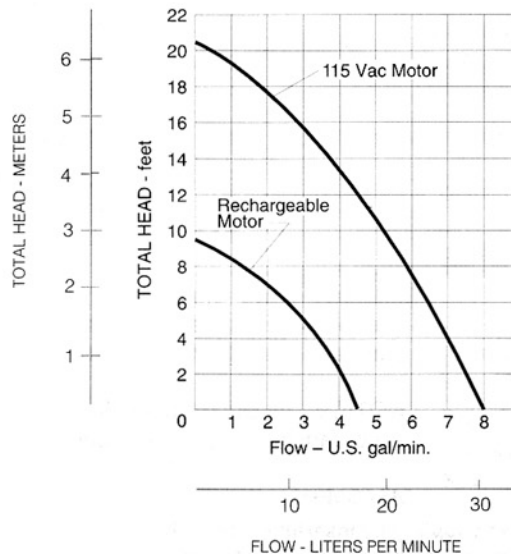


Model 23650-Series

VARIATIONS AVAILABLE

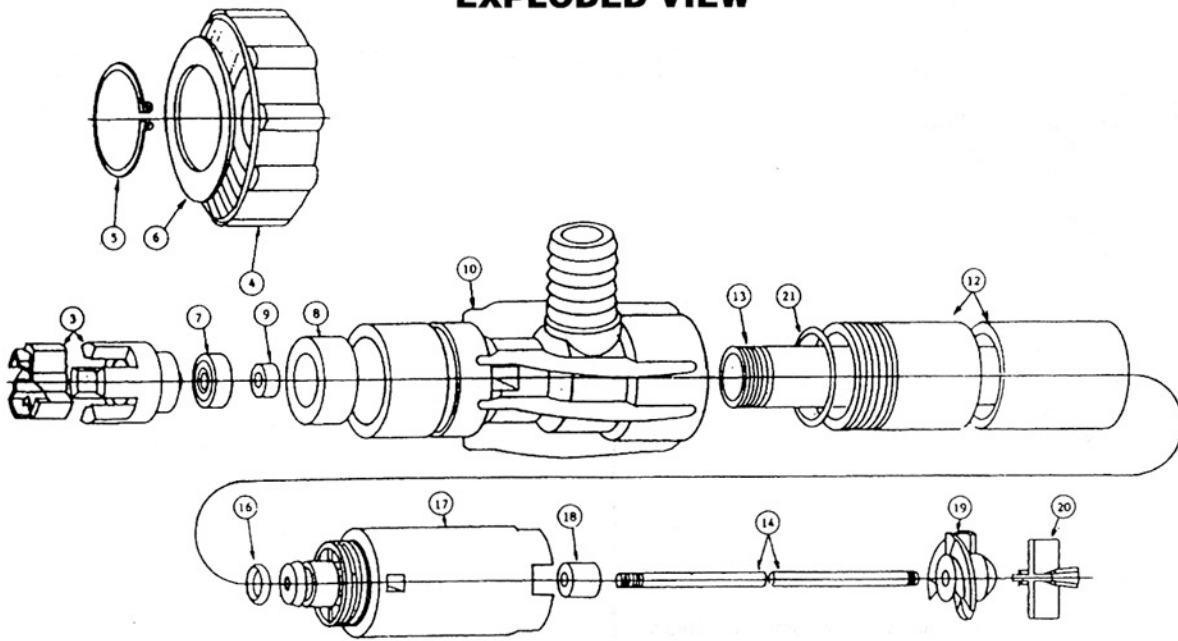
| MODEL NO. | DESCRIPTION |
|------------|--------------------------------------|
| 23650-0500 | 20" (500 mm) POLYPROPYLENE TUBE |
| 23650-0700 | 28" (700 mm) POLYPROPYLENE TUBE |
| 23650-1000 | 39 1/2" (1000 mm) POLYPROPYLENE TUBE |

PERFORMANCE TABLE



THE PRODUCTS DESCRIBED HEREIN ARE SUBJECT TO THE JABSCO ONE YEAR LIMITED WARRANTY, WHICH IS AVAILABLE FOR YOUR INSPECTION UPON REQUEST.

EXPLODED VIEW



PARTS LIST

| Key | Description | Qty | 23650-0500 | 23650-0700 | 23650-1000 | Material |
|-------|------------------------|-----|------------|------------|------------|---------------------|
| 3 | Coupling | 1 | 23651-0003 | 23651-0003 | 23651-0003 | Nylon |
| 4,5,6 | Locating Ring Assembly | 1 | 23651-0004 | 23651-0004 | 23651-0004 | Polypropylene |
| 7 | Bearing | 1 | 23651-0007 | 23651-0007 | 23651-0007 | - |
| 8 | Bearing Case | 1 | 23651-0008 | 23651-0008 | 23651-0008 | Aluminium |
| 9 | Lip Seal | 1 | 23651-0009 | 23651-0009 | 23651-0009 | Nitrile |
| 10,20 | Housing Assembly | 1 | 23651-0010 | 23651-0010 | 23651-0010 | Polypropylene |
| 12 | Outer Tube | 1 | 23651-0512 | 23651-0712 | 23651-1012 | Polypropylene |
| 13 | Inner Tube | 1 | 23651-0513 | 23651-0713 | 23651-1013 | Polypropylene |
| 14 | Shaft | 1 | 23651-0514 | 23651-0714 | 23651-1014 | Hast "C" |
| 16,17 | Impeller Housing Assy | 1 | 23651-0017 | 23651-0017 | 23651-0017 | Polypropylene/Viton |
| 18,20 | Impeller | 1 | 23651-0019 | 23651-0019 | 23651-0019 | Polypropylene |



WARNING Hazardous Voltage. Prior to any disassembly or assembly of the Jabsco Drum Pump Motor make certain that all electrical power to the motor is disconnected and prevented from accidentally being connected. Failure to do so can cause death or injury.

NOTICE: All electrical repair and wiring should be completed by a competent electrician and in accordance with applicable codes.

DISASSEMBLY

1. Remove drive coupling by inserting screwdriver into conversion chamber through bottom, trap impeller unscrew coupling tube and trap impeller. Unscrew drive coupling.
2. Remove cross bar from conversion chamber.
3. Unscrew conversion chamber carefully remove together with impeller and shaft, unscrew impeller from shaft.
4. Unscrew discharge port housing and remove assembly from outer tube.
5. Unscrew inner tube and remove from port housing assembly.
6. Remove circlip and mounting nut.
7. To remove seal or bearing from bearing housing, push out with bar.

ASSEMBLY

1. To fit new seal or bearing, push in from top, seal lip to face down.
2. Screw inner tube into port housing assembly.
3. Screw port housing and inner tube assembly on to outer tube.
4. Screw conversion chamber into outer tube making sure that "O" ring is in place.
5. Fit impeller to shaft.
6. Slide impeller and shaft assembly into inner tube.
7. Refit cross bar in conversion chamber.
8. Fit drive coupling and tighten.
9. Fit mounting ring on port housing and secure with circlip.