

14825 Oscillating Pump

DESCRIPTION

The oscillating pump is a low flow, low pressure transfer or circulating pump, available in several different models for OEM applications. Dimensions are 7.12 (18 cm) long, 2.38 (6.04 cm) wide, by 2.32 (5.89 cm) high. The pump contains an elastomeric impeller that extends through a spring and armature and into an electric coil. A diode in the circuit feeds impulses to the coil 50 or 60 times per second. Each pulse draws the armature and impeller forward against the spring, pumping liquid through the outlet. The spring returns the armature and impeller to their original position, drawing liquid through the inlet.

MATERIALS IN CONTACT WITH SOLUTION

Connectors	— Polypropylene (glass reinforced)
Impeller	— EPT, FKM, Butyl
Discharge Check Valve	— EPT, FKM, Butyl

PRIMING

The pump is self-priming at 48" under most conditions. Reduced voltage will reduce priming ability and flow rate.

TEMPERATURE

The oscillating pump is designed for use with fluids at normal room temperature. For temperatures over 104°F (40°C), please consult the factory for recommendations.

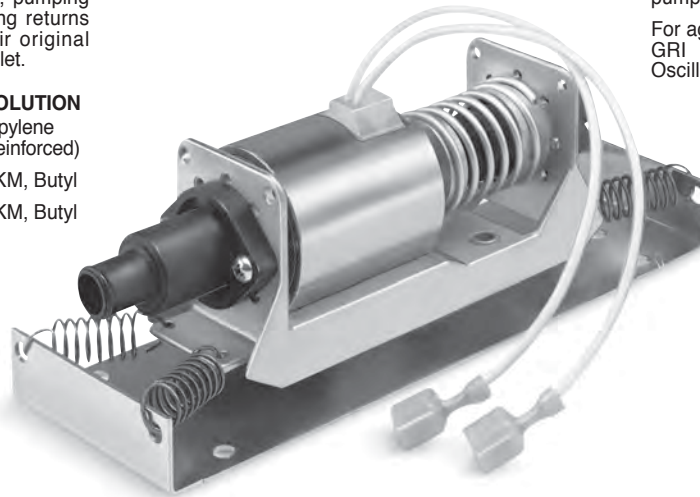
VISCOSITY

The pump has been designed to handle a wide range of liquid viscosities. Fluids more viscous than water, however, will reduce the flow rate. Please consult the factory for recommendations.

CHEMICAL SERVICE

Refer to the Chemical Resistance Section to help determine compatibility. (Use only elastomers with "A" rating for standard oscillating pumps.)

For aggressive-chemistry applications, contact GRI for special Glass-Ball Center Valve Oscillating Pumps (U.S. Patent 5,567,131).



TROUBLESHOOTING GUIDE

The troubleshooting guide is a suggestion or aid in helping solve problems that might arise.

NOTE: Never work on pump without making certain power is off.

PUMP LEAKS

1. Loose connectors.
2. Hole in impeller.

PUMP NOISY

1. Pump not assembled correctly.
2. Coil loose.
3. Loose mounting springs on base.

LOW FLOW OR NO PRIME

1. Pump not assembled correctly.
2. Viscosity too high.
3. Restricted suction or high discharge pressure.
4. Loose connector.
5. Hole in impeller.
6. Chemical attack on elastomer.
7. Impeller valves worn.
8. Foreign material in valves.
9. Diode failure or shorted coil.

WARRANTY

Gorman-Rupp Industries warrants to Buyer that products sold by it will upon shipment conform to the description on the face hereof and any written specifications expressly approved by Seller and be free from defects in title, material and workmanship. NO OTHER WARRANTY, WHETHER EXPRESS OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, SHALL EXIST IN CONNECTION WITH ANY PRODUCTS SOLD BY SELLER, AND ALL SUCH WARRANTIES ARE HEREBY EXPRESSLY EXCLUDED.

WARNING

DANGER:

Improper application, installation, adjusting, or servicing can result in serious injury or death. Always disconnect power source before working on these products.

Caution:

Products with electric motors must be properly grounded and may start automatically at any time. For product information, consult Gorman-Rupp Industries, Bellville, Ohio 44813, Phone (419) 886-3001.