GRI PUMPS
A GORMAN-RUPP COMPANY

Service Data Sheet

Phone 419.886.3001
FAX 419.886.2338
grisales@gripumps.com
www.gripumps.com

15000/17000 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.

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.