

# LP2000VAR MagnaValve®

## Steel Shot Media Valve for Wheel Blast Machines

### Features

- Flow rate range of 400 - 2000 lb/min (181 - 907 kg/min)\*
- For wheels up to 50 Hp (37 kw)
- Variable flow rate using the Variac (included)
- Normally closed
- No moving parts for maintenance-free operation
- Regulates flow of steel shot and grit
- Easy retrofit installation

\* Flow rates based on S230 shot

### Description

The LP2000VAR MagnaValve is a normally closed magnetic valve that regulates the flow of steel shot and grit in wheel blast machines. The LP2000VAR is maintenance free — it has no moving parts so there are no parts to wear or break and it is completely sealed to prevent media dust from entering the valve.

The LP2000VAR has rare earth permanent magnets for normally closed operation and an electromagnet for controlling shot flow rates. With power applied, the magnetic field is neutralized and shot is allowed to flow through the valve. When no power is applied to the MagnaValve, the permanent magnets stop all flow. If the power is interrupted for any reason, the permanent magnets securely hold the shot, thereby virtually eliminating shot leakage.

The LP2000VAR MagnaValve is controlled with a Variac. A Variac is a variable AC transformer that provides 0-120 Vac output voltage to the MagnaValve. With zero volts applied to the MagnaValve, the permanent magnets hold the shot. Application of voltage will cancel the permanent magnets' holding force and allow the shot to flow. Higher voltages will provide higher shot flow rates. The Variac is included with the LP2000VAR MagnaValve.

The LP2000VAR MagnaValve provides a high degree of media control but it will not recognize fault conditions such as low flow rates. Visit the Electronics Inc. website at [www.electronics-inc.com](http://www.electronics-inc.com) for other valve series which work with the AC amperage controller. The AC Controller has a large digital display for motor amps and high/low alarms.

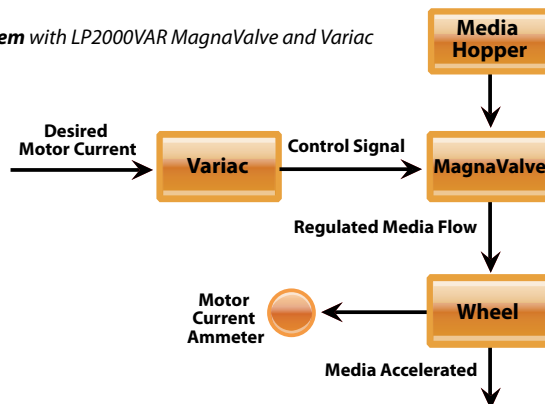
A clear and comprehensive instruction manual simplifies installation of the LP2000VAR. The MagnaValve is factory tested and results are supplied upon request. In addition, the products are supported by the Electronics Inc. application engineering staff.

Smaller sizes of stainless steel cut wire shot will not work with this MagnaValve model. For those applications, see model [VLP1000VAR](#) for 1000 lb/min capacity (flow rates based on S230 shot).



The Variac, included with the LP2000VAR MagnaValve, provides 0-120 Vac output voltage to the MagnaValve.

### Open Loop System with LP2000VAR MagnaValve and Variac



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Specification is subject to change without notice  
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# LP2000VAR MagnaValve

## Magnetic Valve for Wheel Machine Applications

### LP2000VAR Specifications

**Power** ..... 0 - 120 Vac @ 0.225A

**Weight** ..... 32 lb/14 kg

**Media** ..... Steel Shot and Grit

**Temperature Range**..... 32°F- 212°F (0°C - 100°C)

**Flow Output**..... 400 - 2000 lb/min (181 - 907 kg/min)\*

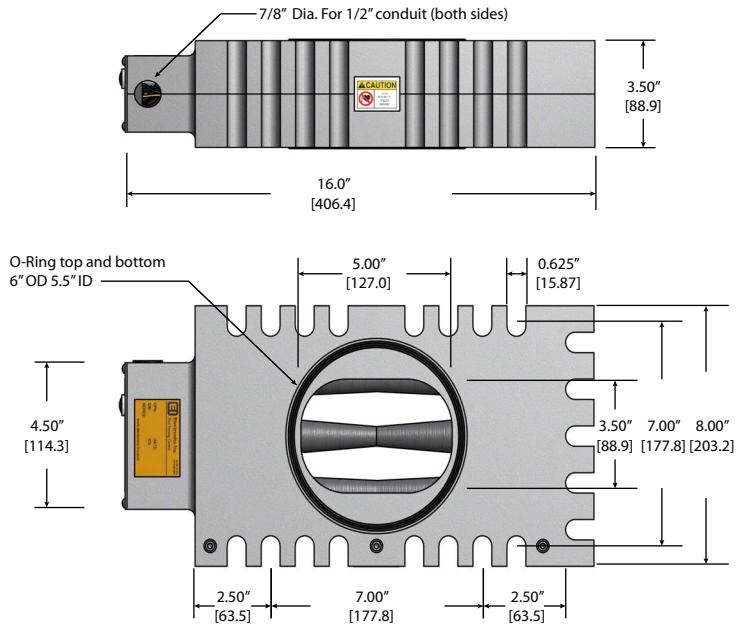
**Indicator**..... Red Neon Lamp

**Material**..... Cast Aluminum

\* Flow rates based on S230 shot

### LP2000VAR Dimensions

Inches [Metric]



### Variac Dimensions

Inches [Metric]

