

# MODEL VLP1000/VAR

999312



- 0-1000 lbs/min range
- Normally closed
- Variable Flow rates
- Up to a 50 HP Wheel depending on RPM
  
- Wheel systems
- No moving parts
- Cast Steel shot
- Cast Steel grit

The MagnaValve is a normally closed magnetic valve and is ideal for applications where you need to regulate flow rates of steel shot or grit in abrasive blast cleaning or shot peening machines. Used with the Variac transformer the MagnaValve will provide accurate and repeatable flow rates over a 0-1000 Pounds/min. flow range.

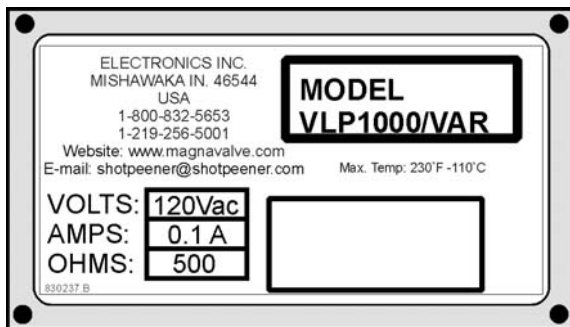
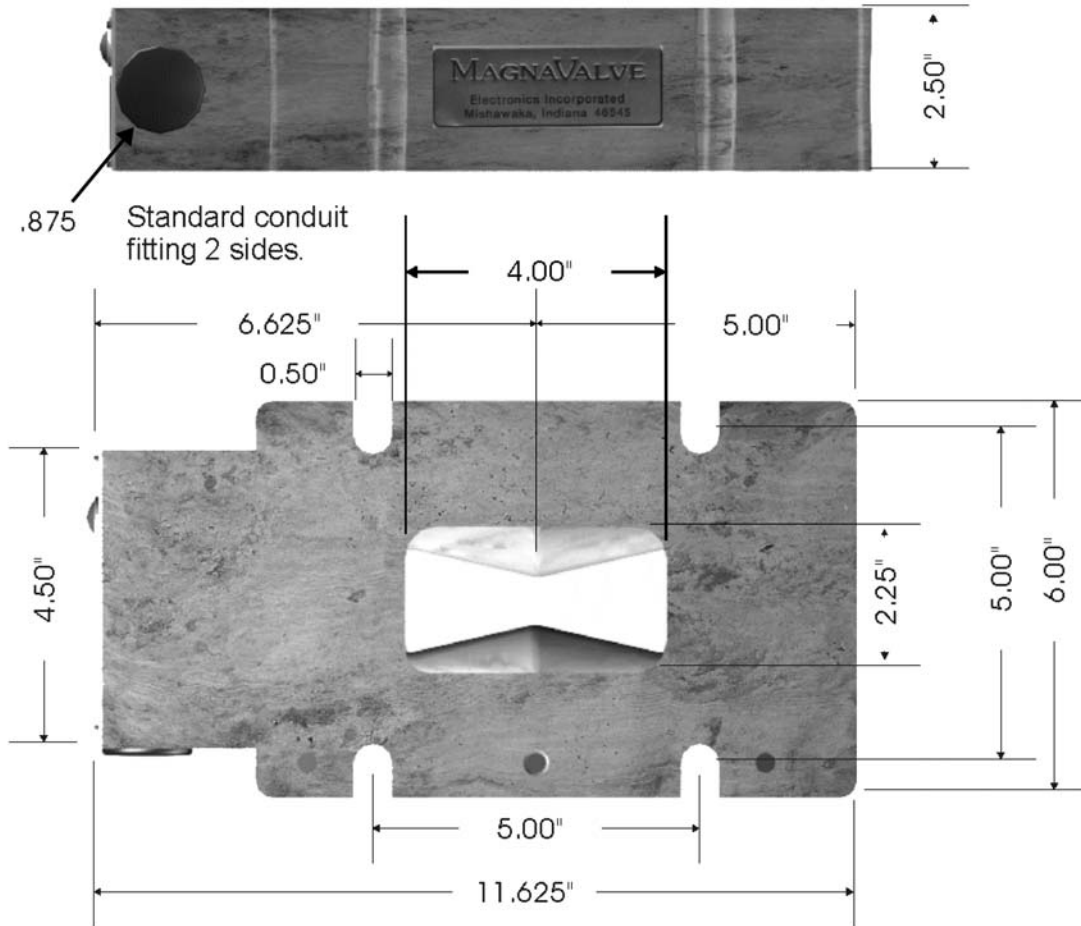
The valve construction includes a permanent magnet for normally closed operation and an electromagnet for turning the shot flow on. By regulating the voltage to the electromagnet any desired flow rate may be achieved. When power is off, the valve will hold shot due to the permanent magnet

Smaller sizes of stainless steel cut wire shot will not work with this model MagnaValve. For those applications see model LP1000/VAR for 1000 pound/min capacity or model LP500/VAR for 500 pound/min flow capacity.

The VAR series MagnaValves provide a high degree of control of media but will not recognize fault conditions such as low flow rates. Contact the factory for other valve series which work with the AC amperage controller for those applications. The AC amperage controller has a large digital display of motor amps and high/low alarms.

**ELECTRONICS INCORPORATED**

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Specifications	
Input:	0-120Vac @ 0.1A
Output:	0-1000 lbs/min.
Temp. Range:	0°-100° C (32°-212° F)
Indicator:	1Red Neon Lamp
Material:	Cast Aluminum
Weight:	16 lbs/ 7 kg



CPN# 090100

Control of the VAR series MagnaValve is accomplished by using a device called a variac. This is a variable AC transformer that provides 0-120Vac 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 magnet holding force and allow the shot to flow. Higher voltages will provide higher shot flow rates.

The variac control is included with the MagnaValve

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## Wiring diagram

