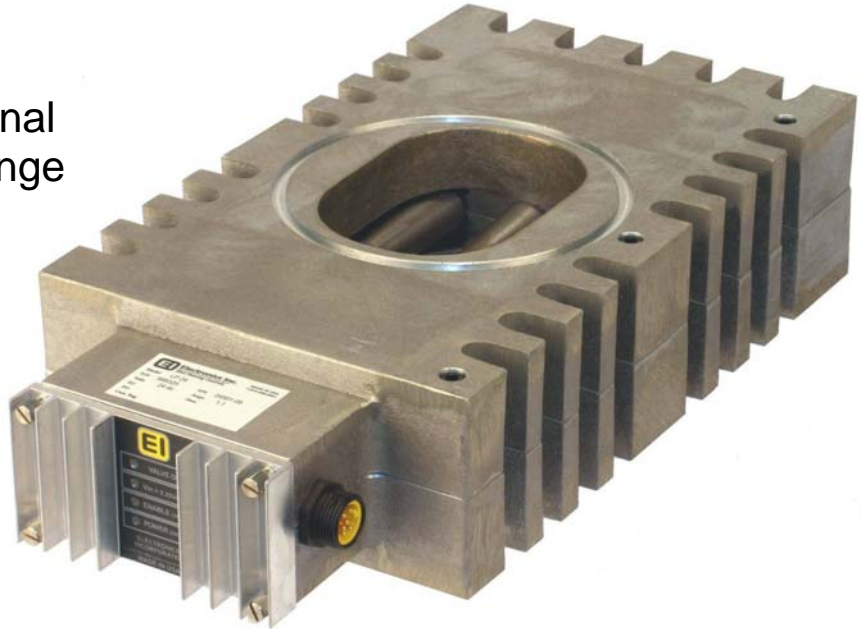


MODEL LP-24 MagnaValve

999325

- 24Vdc Supply
- 0-10Vdc Control Signal
- 400-2000 lbs/min range
- Normally closed
- Variable flow rates
- Wheel systems
- No moving parts
- Steel shot
- Steel grit
- Wear resistant



The Model LP-24 MagnaValve is a normally closed valve used to regulate steel shot or grit in wheel blast systems. The valve is constructed with a permanent magnet to hold media until power is applied. An electromagnet cancels the permanent magnet and allows the media to flow at a controlled rate when the valve is powered and operating. A desired flow rate may be achieved by regulating the voltage to the electromagnet.

The LP-24 MagnaValve can be used in manual or automatic mode. In manual (or open loop) mode, a model Pot-24 is used to adjust the flow rate. For automatic (or closed loop) operation, an AC-24 Shot Flow Controller will detect the load placed on the Wheel motor and regulate the flow of media. This closed loop system will provide accurate and repeatable flow rates over a 400 - 2000 pounds/minute flow range.

Diagnostic LED's are provided for:

- 24Vdc power
- Enable Command
- Flow input signal
- Shot Flow

SPECIFICATIONS	
Input:	24Vdc @ 2A (50VA) 2Vdc Power Enable input (24Vdc) Flow signal (0-10Vdc)
Flow Range:	*400 - 2000 lbs/min approx
Temp. Range:	23-167° F (0-75° C) **32-212° F (0-100° C)

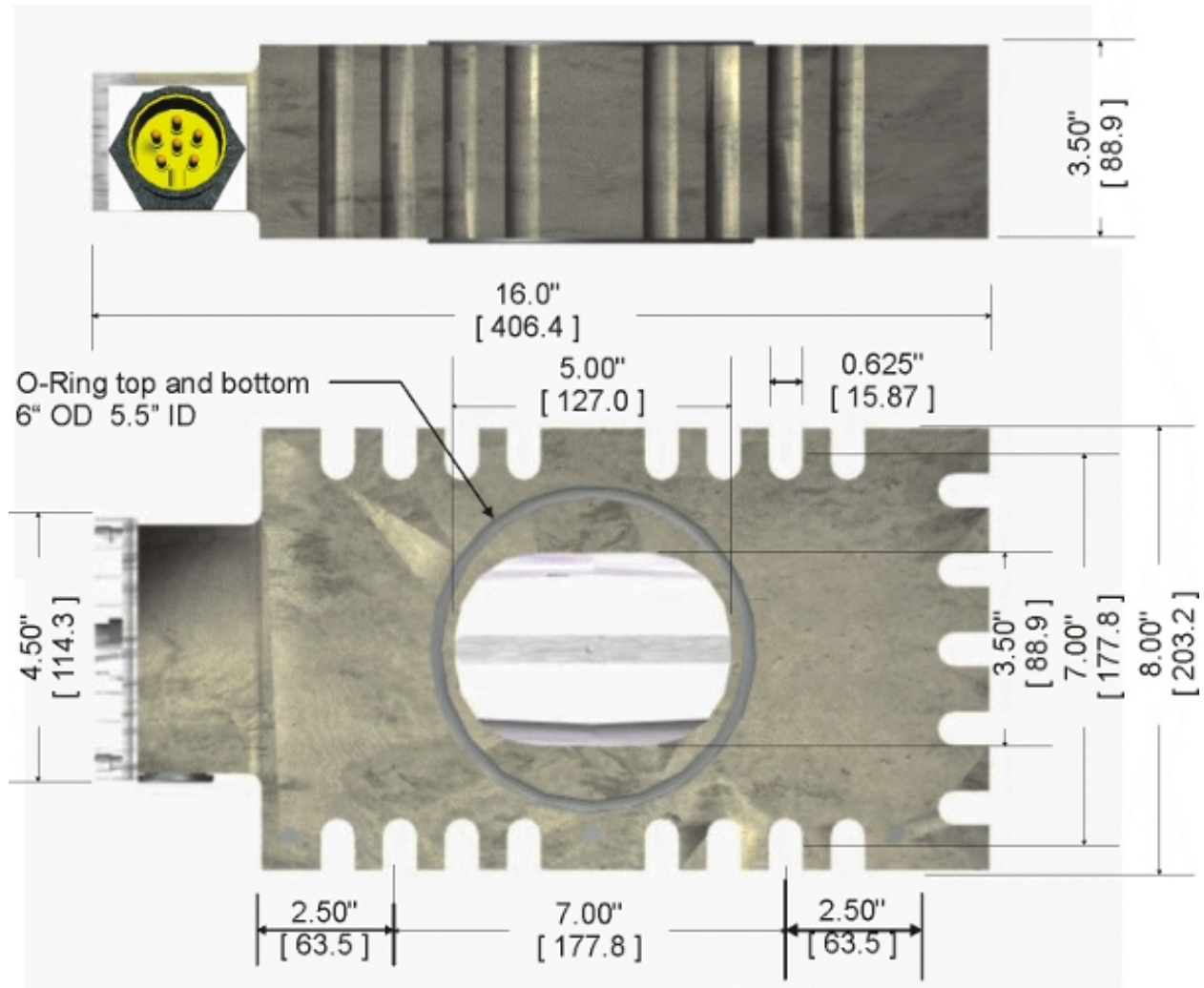
*Flow rate varies by media type

**If valve driver is mounted in remote location.

*Flow rates are based on S230 shot.

ELECTRONICS INCORPORATED

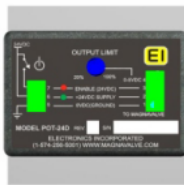
MODEL LP-24 MagnaValve



Pot-24
manual control
(purchase separately)

Note: do not restrict the media flow above the MagnaValve. This will reduce the protective "shot blanket" on the pole pieces and allow erosion which will reduce the product lifetime. The valve should be mounted in a horizontal plane within 5°.

AC-24
automatic amps control
(purchase separately)



- | | | |
|------------------|--------------------------|-------------------|
| 4) 0-10 Vdc | 4) Orange 0-10 Vdc input | 8) Servo Out |
| 3) Enable | 6) Blue 24 Vdc Enable | 9) Valve Enable |
| 2) 24 Vdc Supply | 2) Red 24 Vdc Supply | 19) 24 Vdc Supply |
| 1) 0 Vdc Common | 5) Black 0 Vdc Common | 20) 0 Vdc Common |

Supplied with 6-pin plug and 6ft. (2M) cable.

Note: for best results connect 24 Vdc power supply first to the MagnaValve and then to the controller. This reduces the voltage drop caused by the valve current. See application notes AN-168 and AN-169 for more information on wiring connections.