

MODEL 590 MagnaValve

999090



- Air pressure shot peening
- Variable flow rates
- No moving parts
- Steel shot
- $\pm 10\%$ Accuracy
- Built-in flow sensor
- 30 - 300 lbs/min range
- Normally closed
- Requires FC or 362a Flow Controller

The Model 590 MagnaValve is a normally closed magnetic valve suitable for regulation of steel shot which includes a built-in sensor for accurate measurement of flow rate. Used with the Model FC or 362a Shot Flow Controller, the MagnaValve will provide accurate and repeatable flow rates over a 30 - 300 pounds-per-minute flow range.

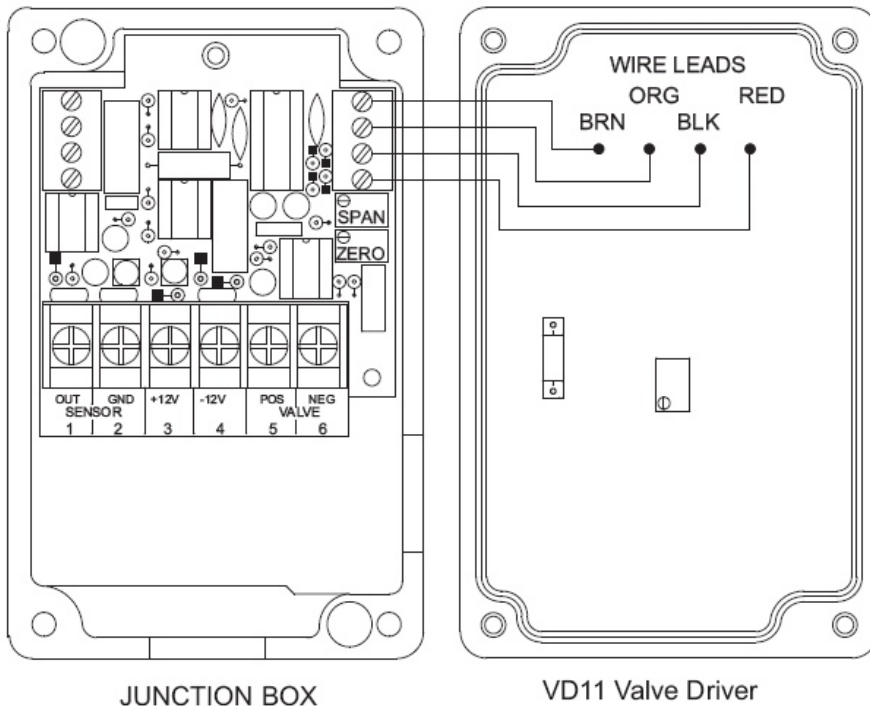
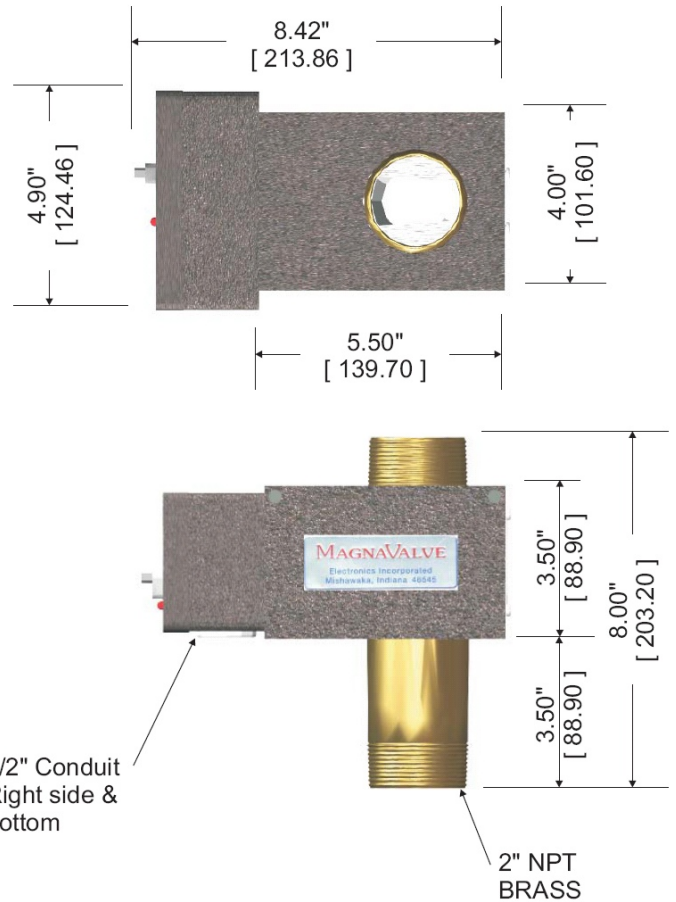
The valve construction includes a permanent magnet for normally closed operation and an electromagnet for controlling shot flow rates. By regulating the voltage to the electromagnet, any desired flow rate may be achieved. When power is off, the valve will hold shot due to the permanent magnet.

The Model 590 MagnaValve incorporates a preamplifier circuit to allow for high noise immunity and a 0-5 Vdc output. The valve is factory calibrated and results are included upon request. Note: consult factory for pre-calibration using media other than cast steel shot.

ELECTRONICS INCORPORATED

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SPECIFICATIONS	
SENSOR	
Power:	±12Vdc @ 100mA max. (From FC Control)
Display:	None
Output:	0-5Vdc
Adjustments:	Zero, Span
Accuracy:	±10% of full scale
VALVE	
Input:	+50Vdc @ .78A
Flow Range:	30-300 lb/min
Maximum Pressure:	100 PSI
Media:	Steel Shot
Mode:	Normally Closed
Temp. Range:	32-122° F 0-50°C



CABLE
BELDEN 9773
OR EQUAL
3 PAIR SHIELDED

MAY SUBSTITUTE
6 CONDUCTOR
PLUS SHIELD 18 AWG