

* MODEL 1477 MagnaValve *



- * Air pressure shot peening
- * Variable flow rates
- * No moving parts
- * Steel shot
- * Higher pulse rate capable

- * 1% Accuracy
- * Built-in flow sensor
- * 0 - 2 lbs./min. range
- * Normally closed
- * Requires FC or 362a Flow Controller

The Model 1477 MagnaValve is a normally closed magnetic valve suitable for regulation of steel shot and 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 .2 - 2.0 pounds-per-minute flow range, and with a higher pulse rate a smoother flow can be achieved.

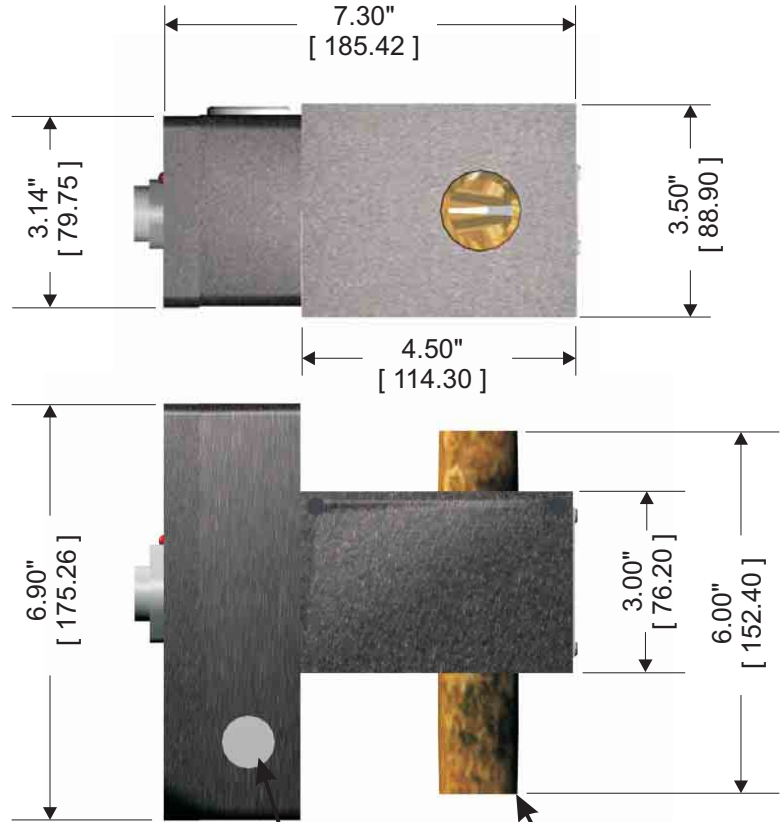
The valve construction includes a permanent magnet for normally closed operation and an electromagnet for controlling shot flow rates. By regulating the voltage to the electromagnet, any desired flow rate may be achieved. When power is off, the valve will hold shot due to the permanent magnet.

The Model 1477 MagnaValve incorporates a preamplifier circuit to allow linearity compensation to achieve a high degree of accuracy, 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.

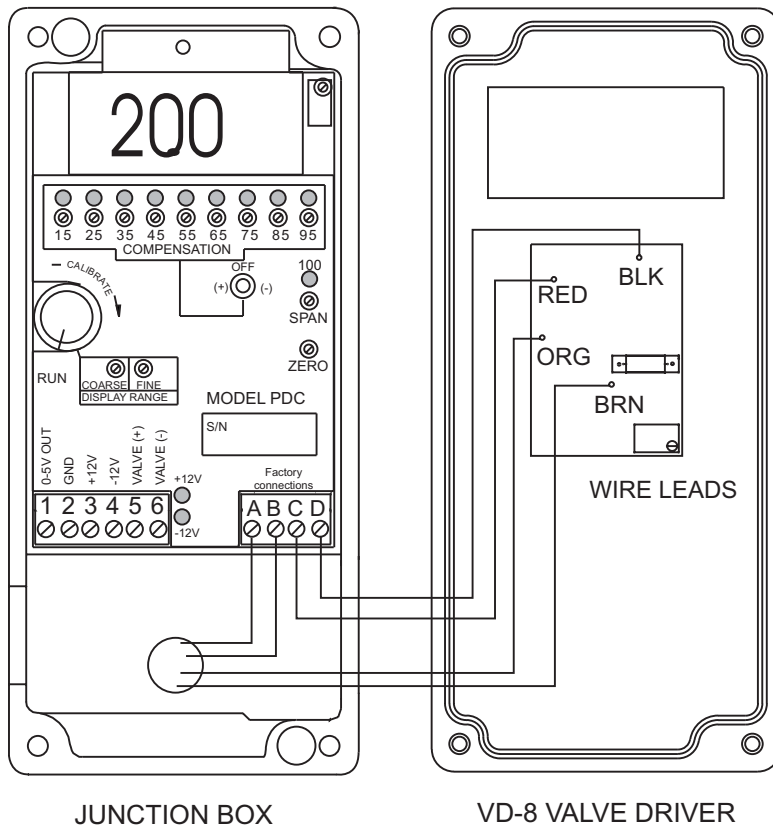
ELECTRONICS INCORPORATED

* MODEL 1477 MagnaValve *

SPECIFICATIONS	
SENSOR	
Input :	+12VDC @ 100mA max. : -12VDC @ 60mA max.
Display :	Digital 0-2.00
Output :	0 - 5VDC
Adjustments :	Zero, Span
Accuracy :	+/- 1% (of full scale)
VALVE	
Input :	+50VDC @ .62A
Output :	0 - 2.0 lbs./min.
Pressure Range :	100 PSI
Media:	Steel shot
Mode:	Normally closed
Temp. Range :	32 - 122° F 0 - 50° C



Note: The MagnaValve is designed to operate in a vertical position and must be mounted within 5 degrees of vertical



.875" DIA.
[22.25]
1/2" CONDUIT HOLE
ON BOTH SIDES OF
JUNCTION BOX

CABLE TO BE 3 PAIR 18 AWG
WITH SHIELD BELDEN 9773 OR
EQUAL.
(MAY SUBSTITUTE 6 CONDUCTOR
18 AWG WITH SHIELD.)