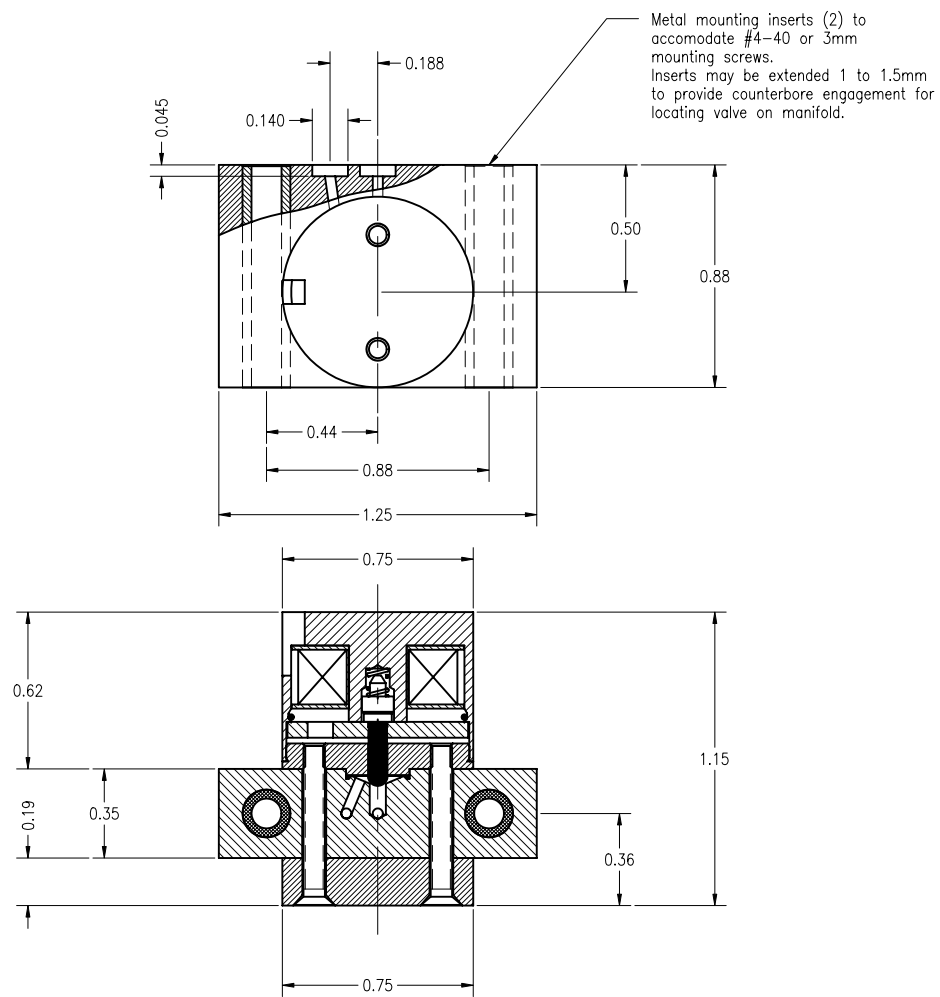


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SPECIFICATIONS:

Mechanical: (Each Port)
TYPE: 2w Normally Closed
PORT CONNECTION: 0.042 x 0.142 VITON O-Rings
NOMINAL ORIFICE: 0.040 (1mm)
OPERATING PRESSURE: 30 PSI (2 bars) max.
TEST PRESSURE: 30 PSI Nitrogen <3 microliters/min
INTERNAL VOLUME: 35 microliters Port to Port
WETTED MATERIALS: TEFLON®
MOUNTING ORIENTATION: Any Position

Electrical: (At 70° C No Pressure)
OPERATING VOLTAGE: 24 VDC (Continuous)
24 to 48 VDC subject to duty cycle and/or holding voltage applied.
POWER CONSUMPTION: 1.5 Watts/24VDC (Approx.)
LEAD WIRES: #26 AWG, TFE Insulated
Blue 12 In. (305 mm) Long.
TEST VOLTAGE (ON): < 18 VDC.
TEST VOLTAGE (OFF): 1.0 to 4 VDC.
RESPONSE TIME (ON): 20 ms Max. (24 VDC)
5 to 20 ms subject to applied voltage and driving circuits.
RESPONSE TIME (OFF): 30 ms Max. (From 24 VDC)
30 to 5 ms adjustable by driving circuits.

NOTE 1.)
Continuous rating applies to solenoid construction only.
Since other materials incorporated in the product may not tolerate temperature variations as well as the solenoid application of holding voltage is strongly recommended.

NOTICE:
This product is protected by one or more of the following United States Patents: 4,496,133; 4,993,456; 5,143,118; Re. 34,261 5,433,244. Other Patents Pending.

| UNLESS OTHERWISE SPECIFIED | | | Scale | 2 : 1 (B) | Material | As shown |
|----------------------------|---------|-----------------------------------|-------------|-----------|----------------------------|----------|
| Fractions | ± 1/64 | Break Sharp Edges | 0.003-0.008 | Dr. By | A. Sule | Date |
| 2 Pl. Dec. | ± 0.005 | All Small Fin. Radii | 0.003-0.008 | Checked | | Approved |
| 3 Pl. Dec. | ± 0.002 | All surfaces shall be Concentric, | | Part Name | MMAT012RH Valve 2wNC | |
| Angular | ± 0.06° | Parallel, Flat, Square and True | | | | |
| All Fin. Surf. | | to Each Other within 0.001 T.I.R. | | | Drawing Number .VALM541 | |
| | | | | | | |

