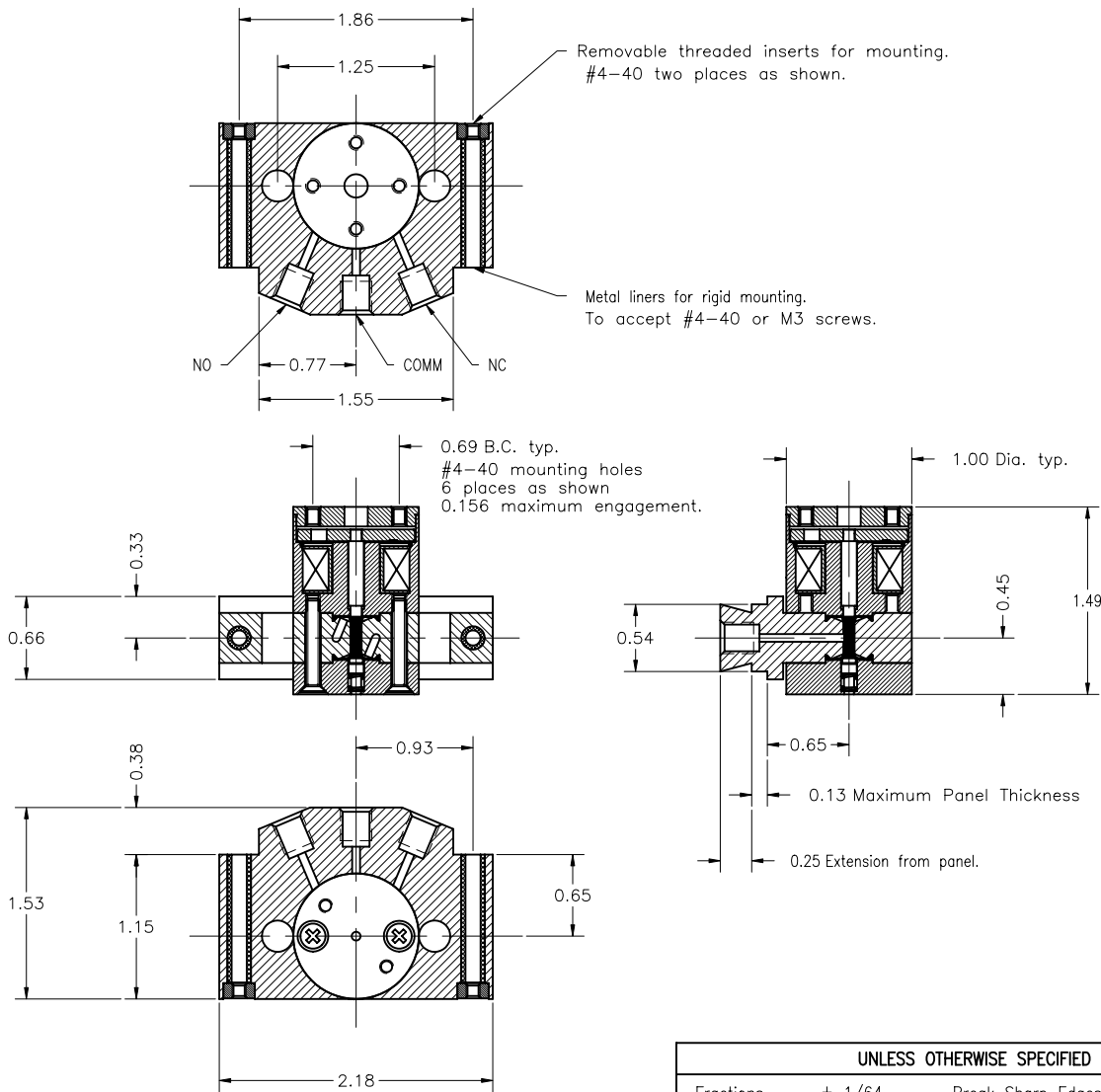


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SPECIFICATIONS:

Mechanical: (Each Port)
TYPE: 3w Diverter
PORT CONNECTION: 1/4-28 Flat Bottom
NOMINAL ORIFICE: 0.062 In. (1.5 mm)
OPERATING PRESSURE: Vacuum to 30 PSI (2 Bars)
TEST PRESSURE: 30 PSI N₂ (Less than 3µl/Min. Leakage.)
INTERNAL VOLUME: 111 microliters from bottom of ports.
WETTED MATERIALS: TEFLON®
MOUNTING ORIENTATION: Any Position

Electrical: (At 70° F No Pressure)
OPERATING VOLTAGE: 12 VDC (Continuous)
12 to 24 VDC Subject to duty cycle and/or holding voltage applied.
POWER CONSUMPTION: 1.6 Watts at 12 VDC (Approximately)
LEAD WIRES: #26 AWG, TFE Insulated
Yellow 18 Inches (457 mm) long.
TEST VOLTAGE (ON): < 9 VDC
TEST VOLTAGE (OFF): 0.5 to 4 VDC
RESPONSE TIME (ON): < 20 ms at 12 VDC
5 to 20 ms subject to applied voltage and driving circuits.
RESPONSE TIME (OFF): < 30 ms from 12 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 | 1 : 1 (B) | Material | As noted. |
|----------------------------|---------|-----------------------------------|-------------|--------------------------------|-----------|-----------------|
| Fractions | ± 1/64 | Break Sharp Edges | 0.003-0.008 | Dr. By | A. Sule | Date 06-05-1990 |
| 2 Pl. Dec. | ± 0.005 | All Small Fin. Radii | 0.003-0.008 | Rev. By | F. Tarnok | Date 01-15-2009 |
| 3 Pl. Dec. | ± 0.002 | All surfaces shall be Concentric, | | Part Name PNLBT031 3w 12VDC | | |
| Angular | ± 0.06° | Parallel, Flat, Square and True | | | | |
| All Fin. Surf. | | To Each Other within 0.001 T.I.R. | | Drawing Number VALM403 | | |

