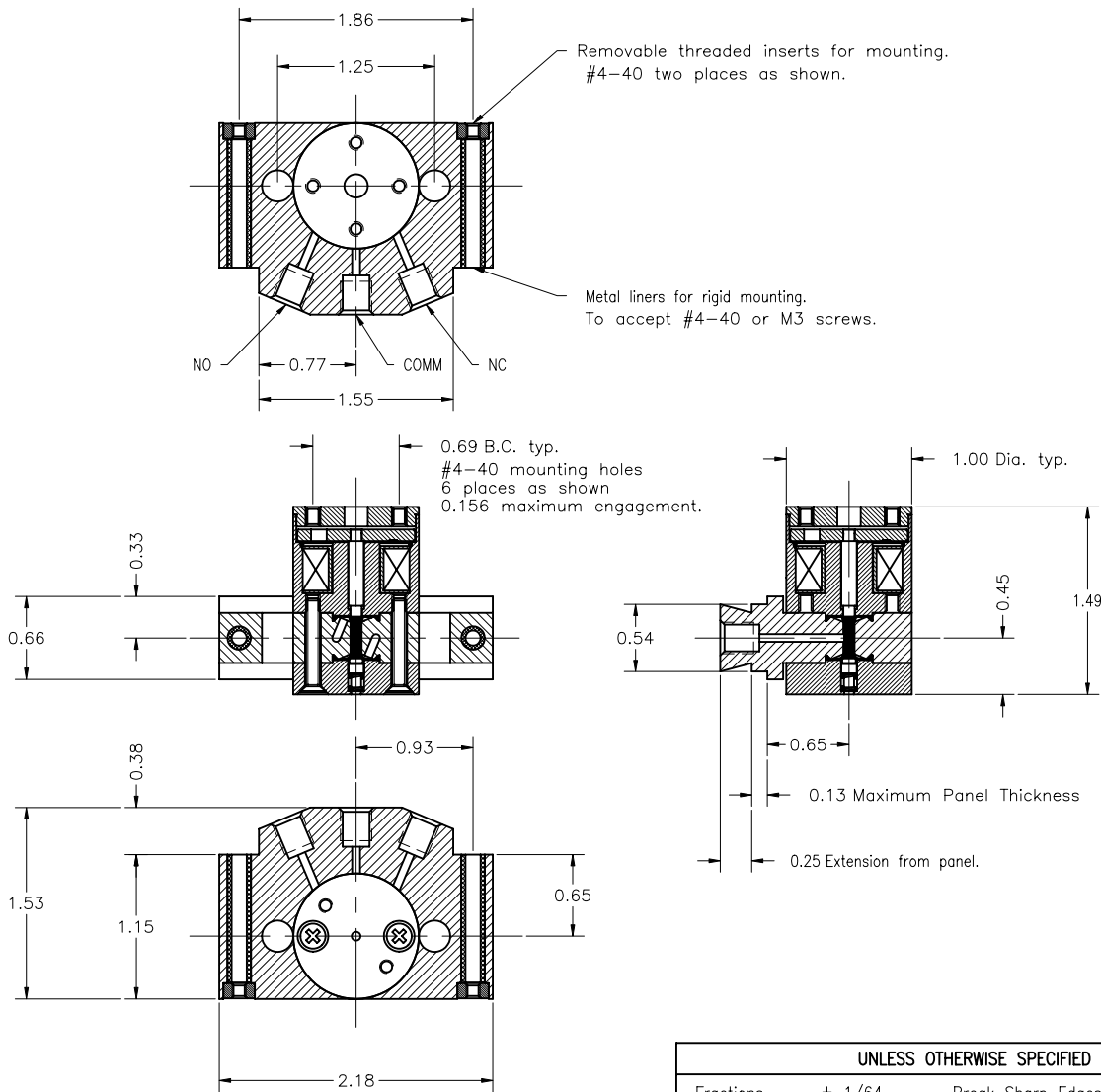


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SPECIFICATIONS:

- 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 N<sub>2</sub> (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: 24 VDC (continuous)  
24 to 48 volts subject to duty cycle and/or holding voltage applied.
  - POWER CONSUMPTION: 1.7 watts at 24VDC ( Approximately )
  - LEAD WIRES: #26 AWG, TFE Insulated  
2x Blue 18" (457 mm) long (power).  
1x Green 18" (457 mm) long (pos. sensor).
  - TEST VOLTAGE (ON): < 18 VDC
  - TEST VOLTAGE (OFF): 1 to 8 VDC
  - RESPONSE TIME (ON): 20ms Max. (24 VDC)  
5 to 20 ms subject to applied voltage and driving circuits.
  - RESPONSE TIME (OFF): 30ms 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       | 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<br>PNLBT032FB 3w 24VDC |           |                 |
| Angular                    | ± 0.06° | Parallel, Flat, Square and True   |             |                                  |           |                 |
| All Fin. Surf.             |         | to Each Other within 0.001 T.I.R. |             | Drawing Number<br>.VALM478       |           |                 |

