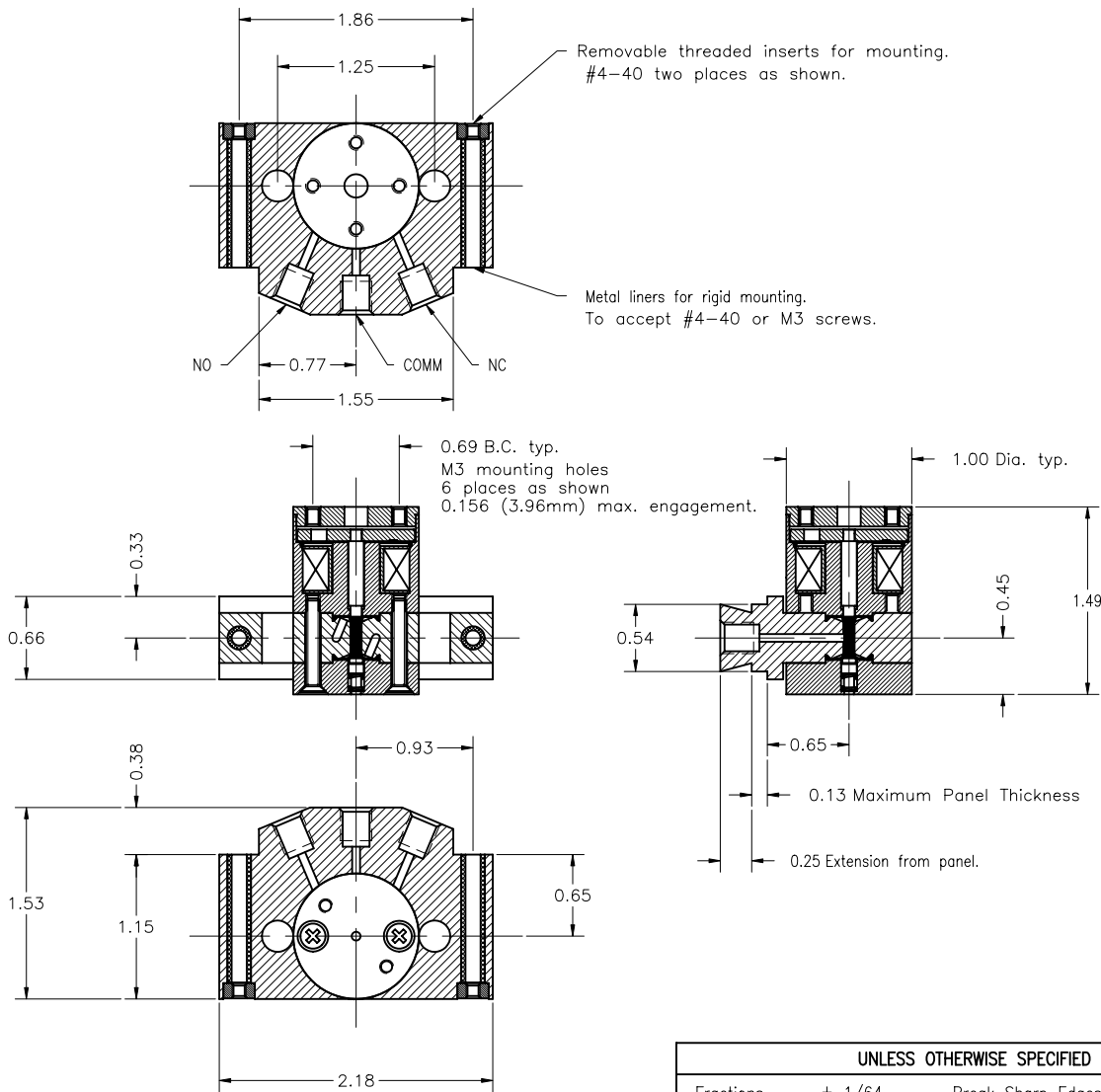


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SPECIFICATIONS:

**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  
Blue 18 Inches (457 mm) long.  
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 MPNLBT032 3w 24VDC		
Angular	± 0.06°	Parallel, Flat, Square and True				
All Fin. Surf.		to Each Other within 0.001 T.I.R.		Drawing Number VALM585		

