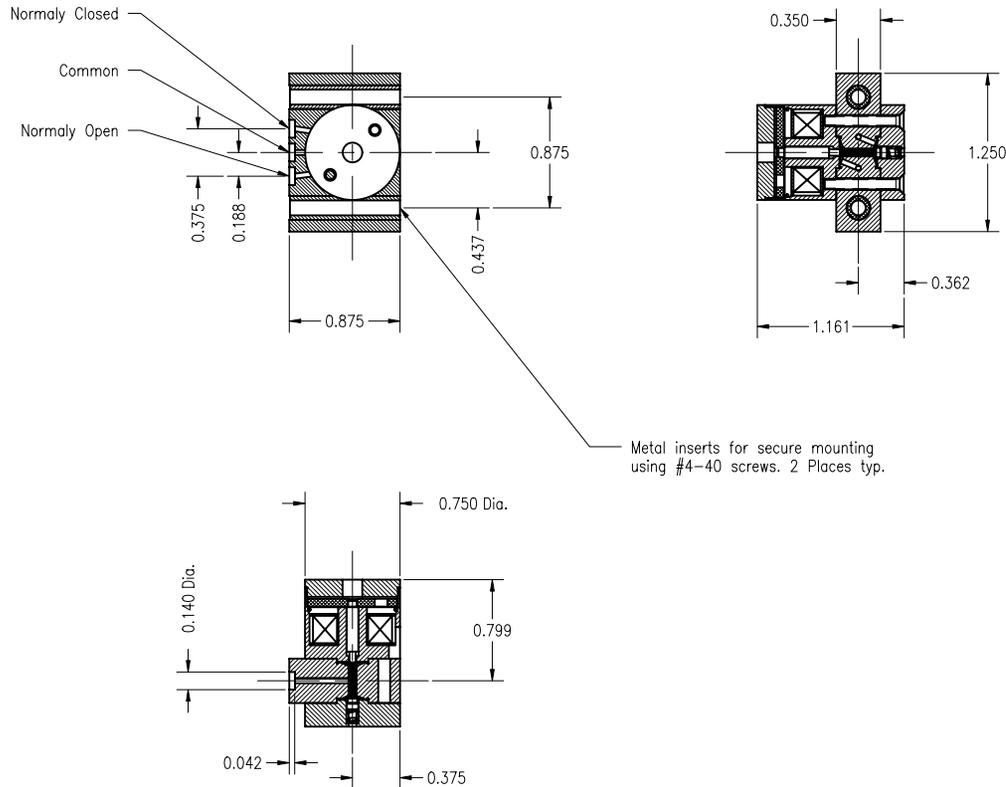


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## SPECIFICATIONS:

### Mechanical: (Each Port)

TYPE: 3w Diverter  
 PORT CONNECTION: Manifold mount (supplied with Viton O-rings)  
 NOMINAL ORIFICE: 0.040 In. (1.0 mm)  
 OPERATING PRESSURE: Vacuum to 30 PSI (2 Bars)  
 TEST PRESSURE: 30 PSI N<sub>2</sub> (Less than 3μl/Min. Leakage.)  
 INTERNAL VOLUME: 91 microliters ( Common passage )  
 32.5 microliters ( each inlet port )  
 WETTED MATERIALS: TEFLON®  
 MOUNTING ORIENTATION: Any Position

### Electrical: At 70° F ( No pressure applied )

OPERATING VOLTAGE: 6 VDC ( Continuous ) See note 1.)  
 6 to 12 volts subject to duty cycle and / or holding voltage applied.  
 POWER CONSUMPTION: 1.36 Watts at 6 VDC (Approximately)  
 LEAD WIRES: #26 AWG, TFE Insulated  
 White 18 Inches ( about 450 mm ) long.  
 TEST VOLTAGE (ON): < 4.5 VDC  
 TEST VOLTAGE (OFF): 0.25 to 2 VDC  
 RESPONSE TIME (ON): 20ms Max. (6 VDC)  
 5 to 20 ms subject to applied voltage and driving circuits.  
 RESPONSE TIME (OFF): 30ms Max. (from 6 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	Material	
Fractions	± 1/64	1 : 1 (B)	As noted	
2 Pl. Dec.	± 0.005	Dr. By	09-23-1995	
3 Pl. Dec.	± 0.002	A. Sule	07-06-2009	
Angular	± 0.06°	Rev. By		
All Fin. Surf.		F. Tarnok		
Break Sharp Edges	0.003-0.008	Part Name		
All Small Fin. Radii	0.003-0.008	MMAT030	3w 6vdc	
All surfaces shall be Concentric,				
Parallel, Flat, Square and True				
to Each Other within 0.001 T.I.R.				
				Drawing Number
				VALM774