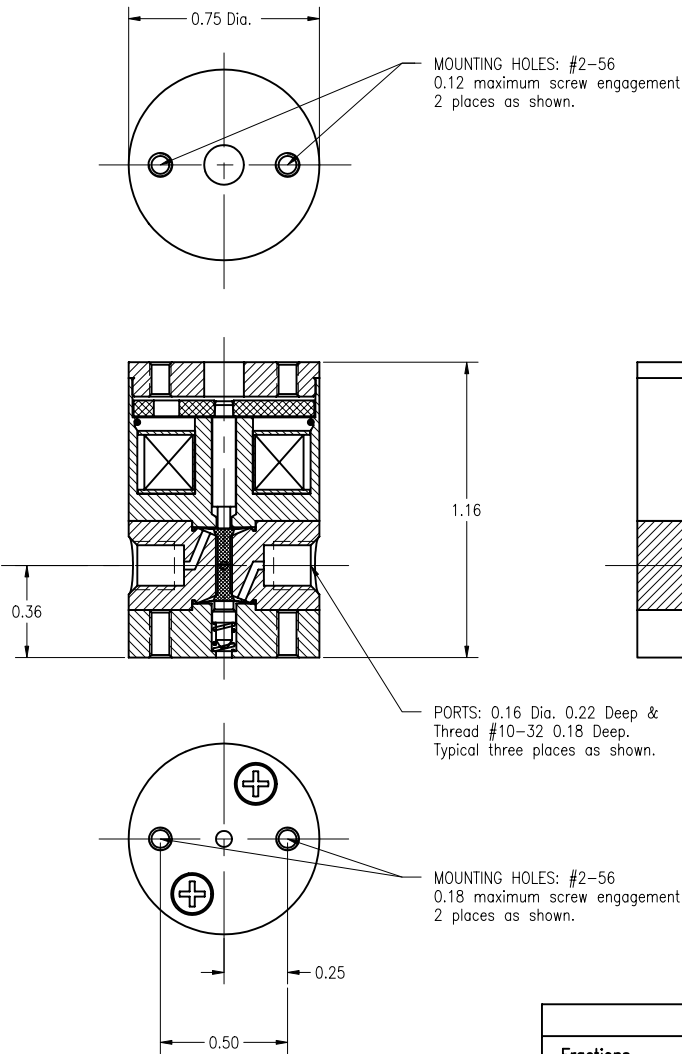


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SPECIFICATIONS:

Mechanical: (Each Port)


- TYPE: 3w diverter  
PORT CONNECTION: #10-32 Flat bottom  
NOMINAL ORIFICE: 0.040 In. (1.0 mm)  
OPERATING PRESSURE: Vacuum to 100 PSI (6.8 Bars)  
TEST PRESSURE: 100 PSI N<sub>2</sub> (No leakage)  
INTERNAL VOLUME: 27 microliters total from port to port to port.  
WETTED MATERIALS: TEFLON®  
MOUNTING ORIENTATION: Any Position

Electrical: ( At 70° F No Pressure Applied )

- OPERATING VOLTAGE: 12 VDC (continuous) See Note 1.)  
12 to 24 volts subject to duty cycle and/or holding voltage applied.  
POWER CONSUMPTION: 2.4 Watts/12 VDC (approx.)  
LEAD WIRES: #26 AWG, TFE Insulated  
White/Yellow 18 In. ( about 450mm ) long.  
TEST VOLTAGE (ON): < 9 VDC  
TEST VOLTAGE (OFF): 1 to 4 VDC  
RESPONSE TIME (ON): 20ms Max. (12 VDC)  
5 to 20 ms subject to applied voltage and driving circuits.  
RESPONSE TIME (OFF): 30ms Max. (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	2 : 1 (B)		Material	As noted		
Fractions	± 1/64	Break Sharp Edges	0.003–0.008	Dr. By	A. Sule		Date	10–12–2001		
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		HP161T031 3w 12vdc				
Angular	± 0.06°	Parallel, Flat, Square	and True							
All Fin. Surf.		to Each Other within	0.001 T.I.R.							
				Drawing Number						
				.VALM755						

