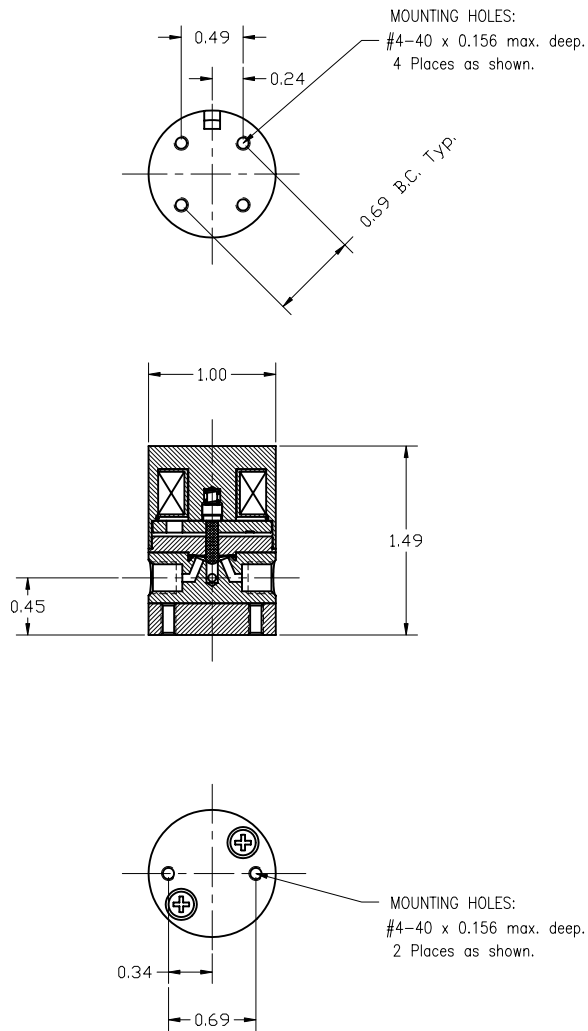


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**SPECIFICATIONS:**

**Mechanical:** (Each Port)  
TYPE: 3 Port 2 Way NC Fast Flush  
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> (Leakage less than 3μl/min.)  
INTERNAL VOLUME: 57 microliters form bottom of ports.  
WETTED MATERIALS: TEFLON®  
MOUNTING ORIENTATION: Any Position

**Electrical:** (At 70° C No Pressure)  
OPERATING VOLTAGE: 12 VDC (continuous, see note 1.)  
12 to 24 volts subject to duty cycle and/or holding voltage applied.  
POWER CONSUMPTION: 1.5 watts/12VDC (approx.)  
LEAD WIRES: #26 AWG, TFE Insulated  
Yellow 18 in. (457 mm) long.  
TEST VOLTAGE (ON): < 9 VDC  
TEST VOLTAGE (OFF): 0.5 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	1 : 1 (B)	Material	As Noted	
Fractions	± 1/64	Break Sharp Edges	0.003-0.008	Dr. By	G Stevens	Date	14-Sep-99	
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	GS909140 3P2W Fast Flush			
Angular	± 0.06°	Parallel, Flat, Square	and True					
All Fin. Surf.		to Each Other within	0.001 T.I.R.					
								Drawing Number
								.VALM238



Drawing Number  
VALM238