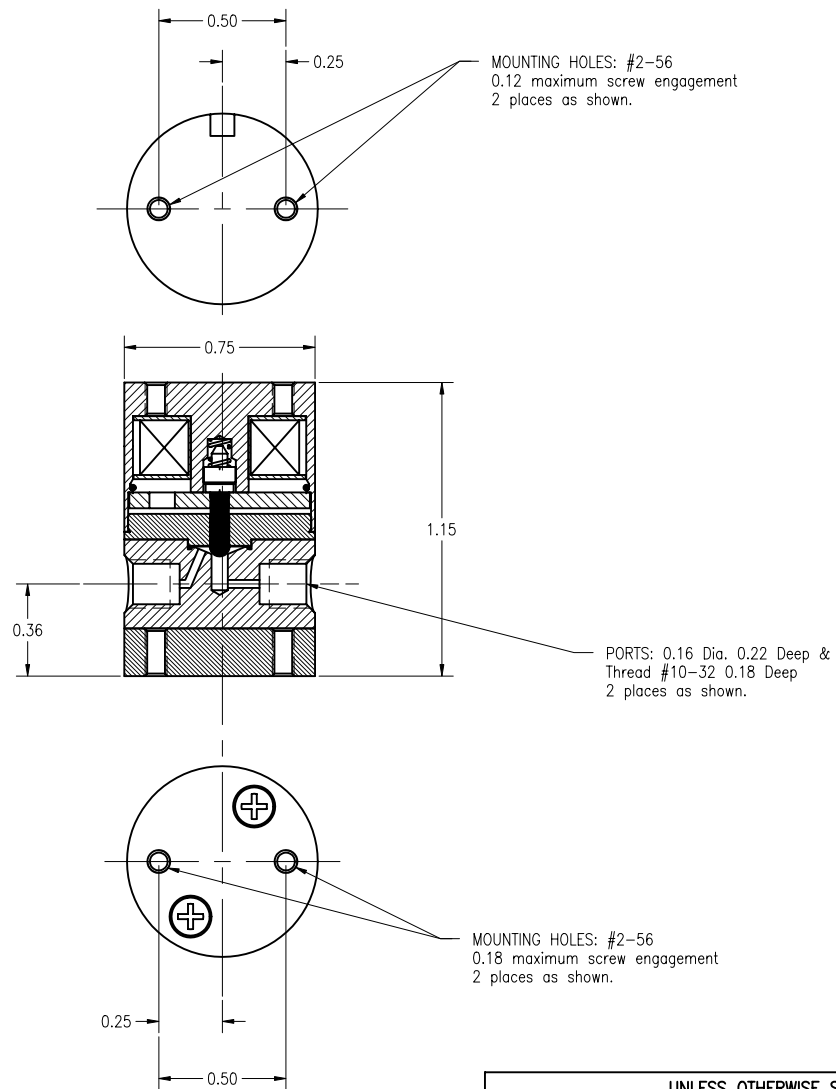


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SPECIFICATIONS:

Mechanical: (Each Port)

- TYPE: 2w Normally Closed
PORT CONNECTION: #10-32 Flat bottom
NOMINAL ORIFICE: 0.040 Inches (1.0 mm)
OPERATING PRESSURE: Vacuum to 100 PSI (6.89 Bars)
TEST PRESSURE: 30 PSI N₂ (Less Than 3μl/min Leakage)
INTERNAL VOLUME: 17.9 microliters from bottom of ports.


- WETTED MATERIALS: TEFLON®
MOUNTING ORIENTATION: Any Position

Electrical: (At 70° F, No Pressure Applied)

- OPERATING VOLTAGE: 24 VDC 0.1 sec & hold at 8 VDC
24 to 48 volts subject to duty cycle and/or holding voltage applied.
POWER CONSUMPTION: 2.0 Watts at 24 VDC (approximately)
LEAD WIRES: #26 AWG, TFE Insulated
Yellow/Blue 18 inches (457mm) long.
TEST VOLTAGE (ON): < 18 VDC
TEST VOLTAGE (OFF): 1 to 8 VDC
RESPONSE TIME (ON): 20ms Max. (at 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	2 : 1 (B)	Material	As noted		
Fractions	± 1/64	Break Sharp Edges	0.003-0.008	Dr. By	F. Tarnok	Date		04-28-2011
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, Parallel, Flat, Square and True to Each Other within 0.001 T.I.R.			Part Name			Drawing Number
Angular	± 0.06°				HP161T012			
All Fin. Surf.							VALM824	



Drawing Number
VALM824