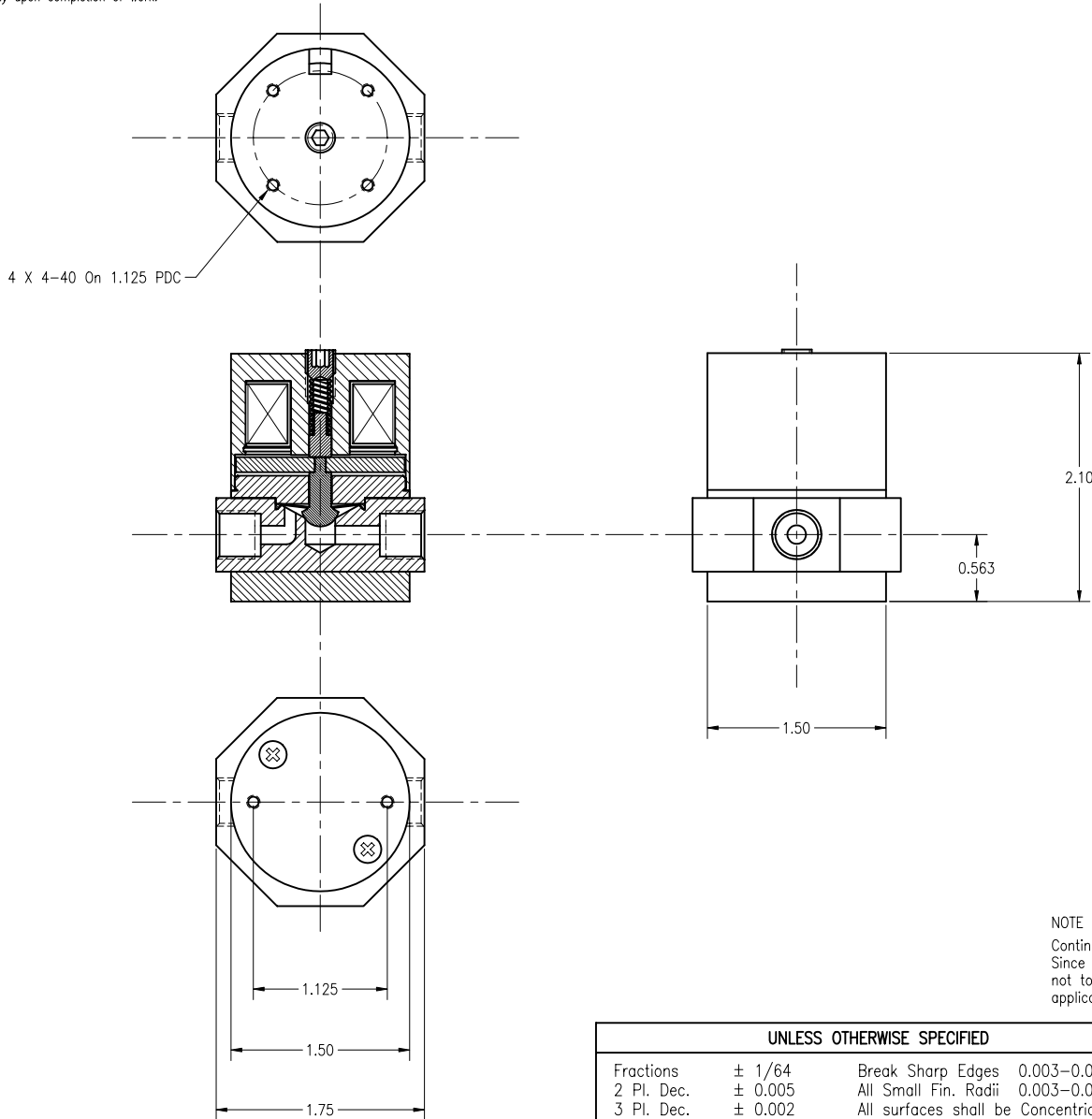


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SPECIFICATIONS:

Mechanical: (Each Port)


- TYPE: 2-Way NC  
PORT CONNECTION: 1/8" NPTS Flat Bottom (Short)  
NOMINAL ORIFICE: 0.156 In. (4.0 mm)  
OPERATING PRESSURE: Vacuum to 30 PSI (2 Bars)  
TEST PRESSURE: 30 PSI N<sub>2</sub> (Leakage < 3μl/min)  
INTERNAL VOLUME: 713 microliters from bottom of ports.  
WETTED MATERIALS: TEFLON®  
MOUNTING ORIENTATION: Any Position

Electrical: (At 70° C No Pressure)

- OPERATING VOLTAGE: 24 VDC (Continuous, see note 1.)  
24 to 48 volts subject to duty cycle and/or holding voltage applied.  
POWER CONSUMPTION: 7.2 watts/24VDC (approx.)  
LEAD WIRES: #22 AWG, TFE Insulated  
Blue 18 in. (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	G Stevens	Date	06-Nov-2007		
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	648T012 2W NC 24VDC			Drawing Number 648V252
Angular	± 0.06°	Parallel, Flat, Square and True							
All Fin. Surf.		to Each Other within 0.001 T.I.R.							

