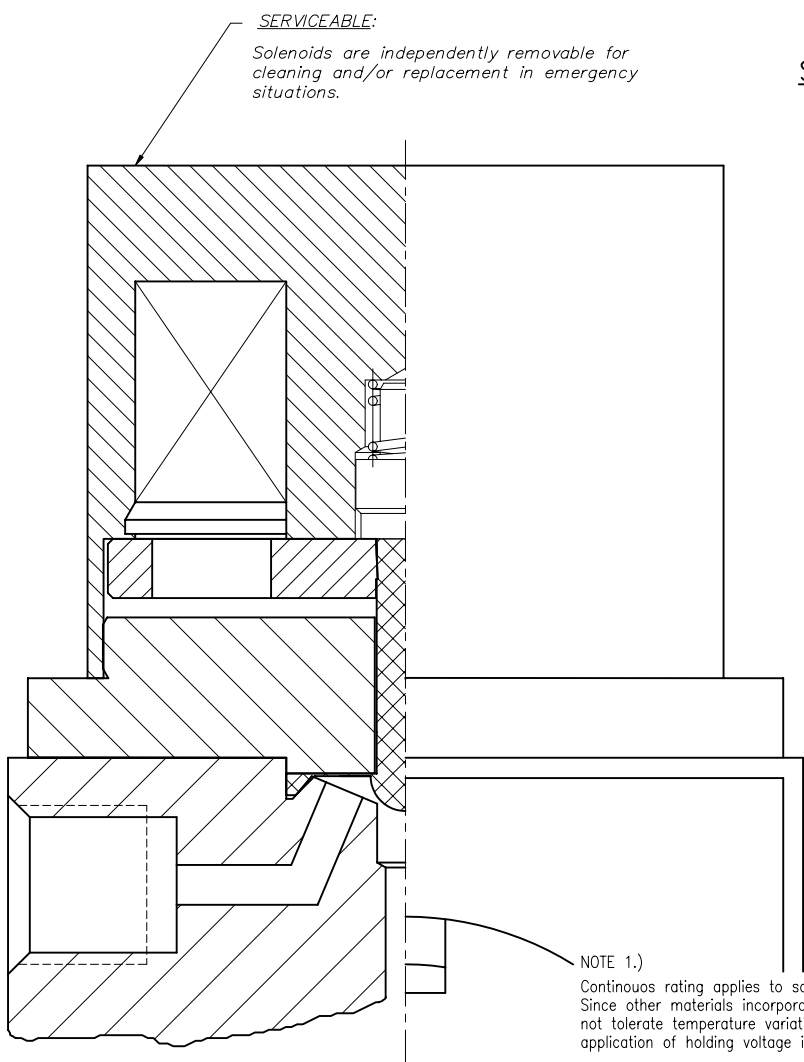
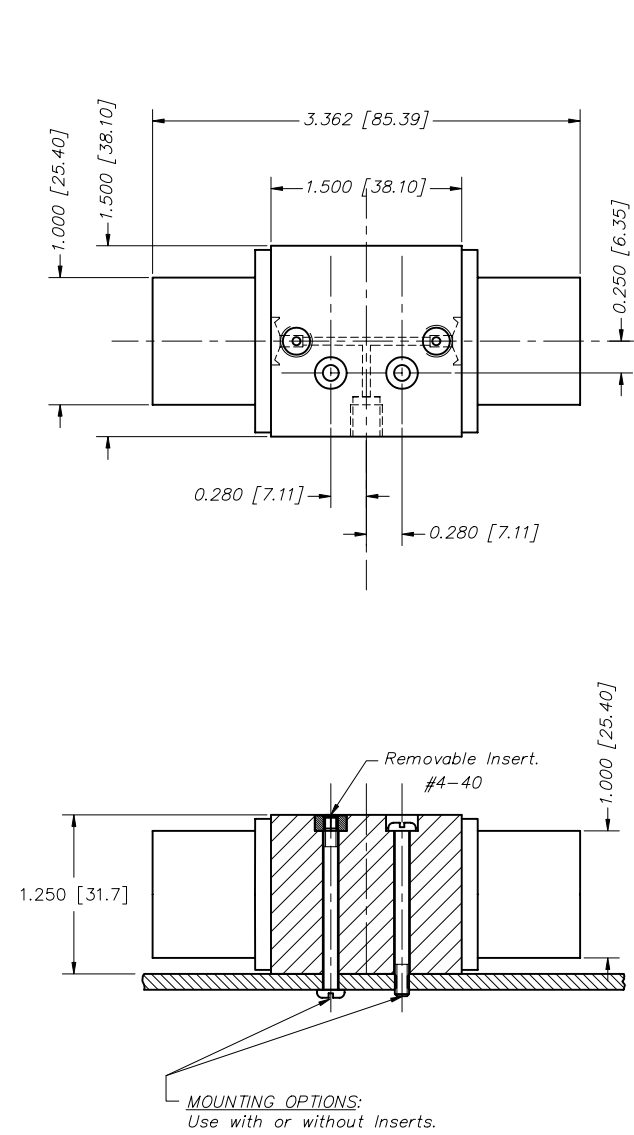


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**SPECIFICATIONS:**

**Mechanical:** (Each Port)  
TYPE: 2w Normally Closed  
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> (No leakage)  
INTERNAL VOLUME: 175.46 microliters total volume  
port base to port base.  
42 microliters from valve seat to mixing intersection.  
WETTED MATERIALS: TEFLON®  
MOUNTING ORIENTATION: Any Position

**Electrical:** (At 70° F No Pressure)  
OPERATING VOLTAGE: 24 VDC (continuous)  
24 to 48 volts subject to duty cycle and/or holding voltage applied.  
POWER CONSUMPTION: 1.7 watts/24VDC (approx.)  
LEAD WIRES: #26 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.

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
Fractions ± 1/64	Break Sharp Edges 0.003-0.008		Dr. By G Stevens	Date 11-02-2004
2 Pl. Dec. ± 0.005	All Small Fin. Radii 0.003-0.008		Rev. By F. Tarnok	Date 12-12-2008
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°			Model# 225T052	225V313
All Fin. Surf.				

