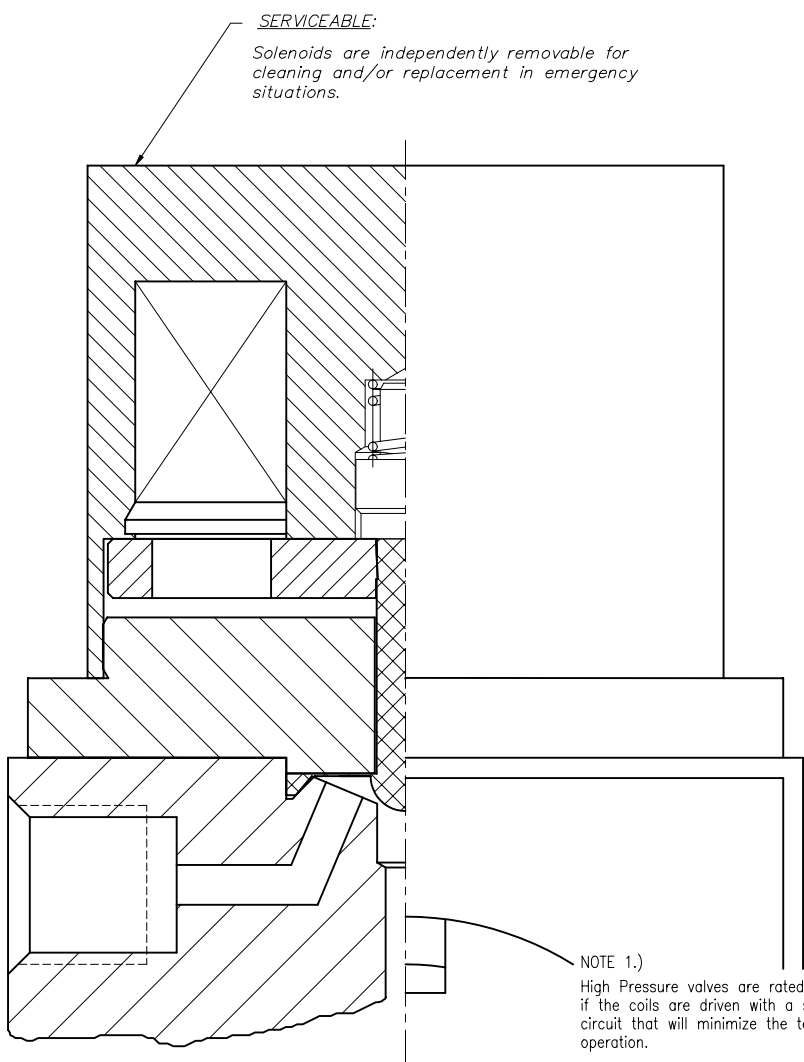
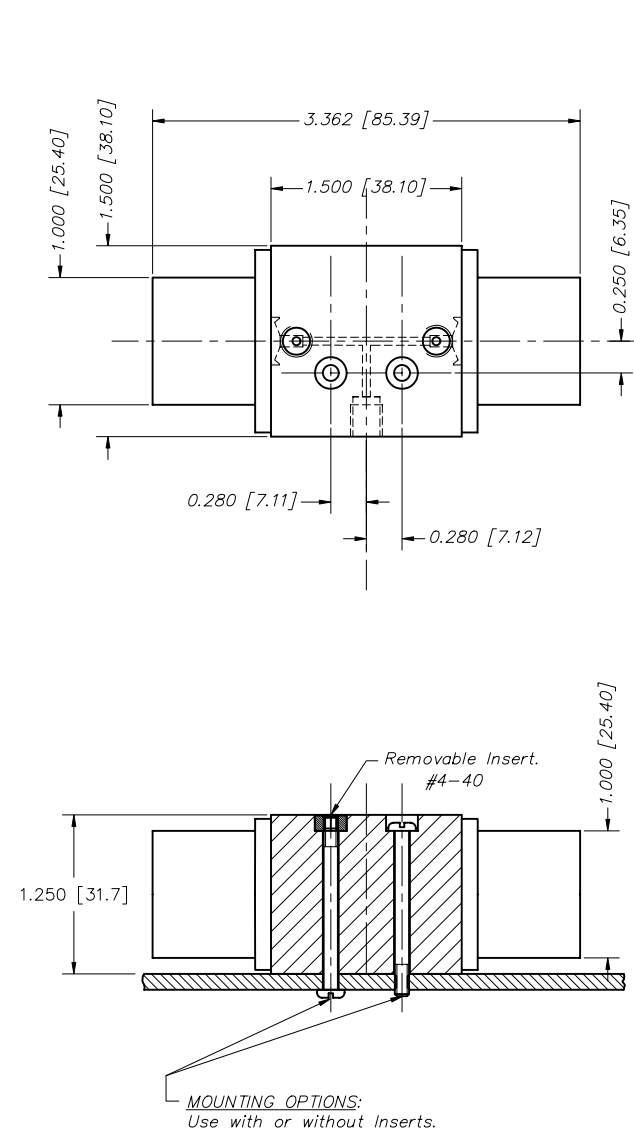


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SPECIFICATIONS:

- 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 100PSI (7 Bar)
 - TEST PRESSURE: 100 PSI ∇ (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: 12 VDC (Continuous, see note 1.) 12 to 48 VDC subject to duty cycle and/or holding voltage applied.
 - POWER CONSUMPTION: 6.3 Watts/12VDC (Approx.)
 - LEAD WIRES: #26 AWG, TFE Insulated White 12 In. (305 mm) Long.
 - TEST VOLTAGE (ON): < 9 VDC.
 - TEST VOLTAGE (OFF): 0.5 to 4 VDC.
 - RESPONSE TIME (ON): 20 ms Max. (12 VDC) 5 to 20 ms subject to applied voltage and driving circuits.
 - RESPONSE TIME (OFF): 30 ms Max. (From 12 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 11–02–2005
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,				
Angular	± 0.06°	Parallel, Flat, Square and True				
All Fin. Surf.		to Each Other within 0.001 T.I.R.				
				Part Name		Drawing Number
				Model# HP225T051		
						VALM893