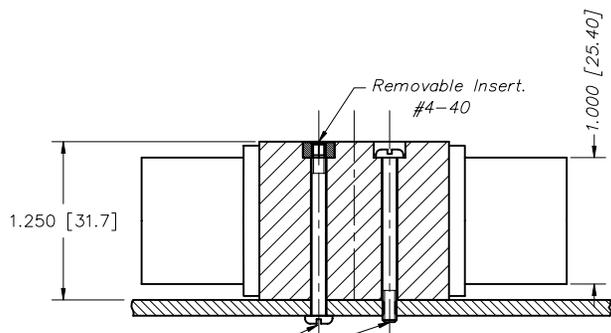
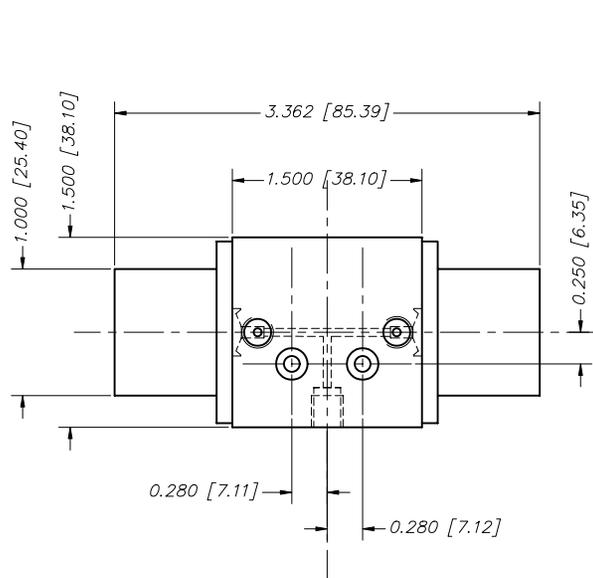


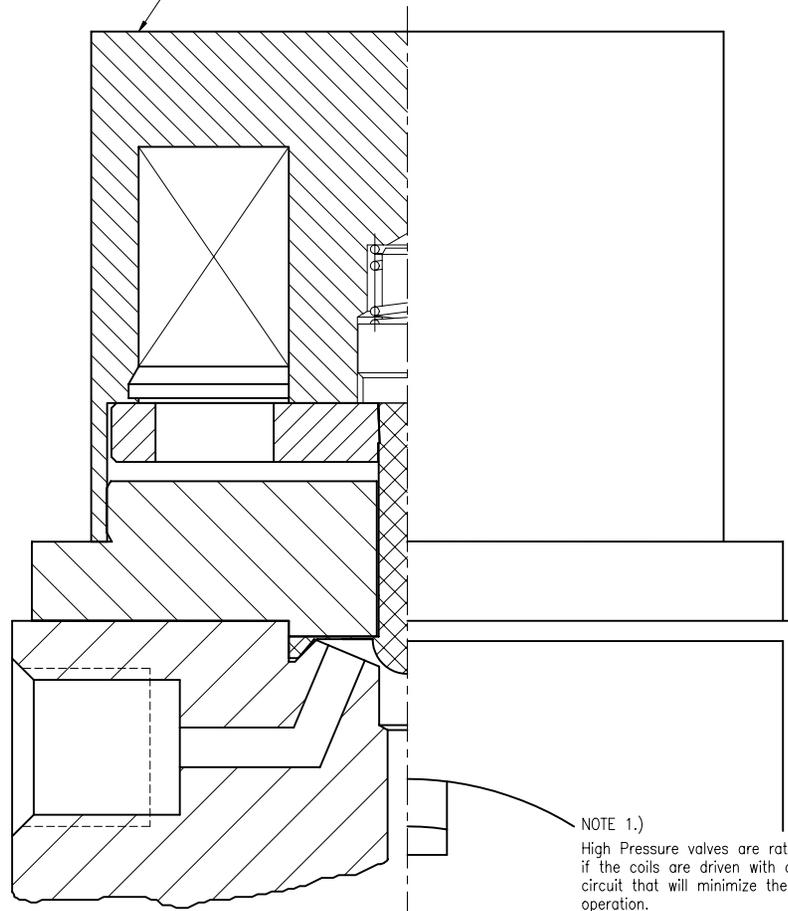
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**MOUNTING OPTIONS:**  
Use with or without Inserts.

SERVICEABLE:

Solenoids are independently removable for cleaning and/or replacement in emergency situations.



NOTE 1.)

High Pressure valves are rated for continuous use only if the coils are driven with a suitable strike and hold circuit that will minimize the temperature rise during operation.

**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, Parallel, Flat, Square and True to Each Other within 0.001 T.I.R.	Part Name	Drawing Number VALM893
Angular ± 0.06°		Model# HP225T051	

