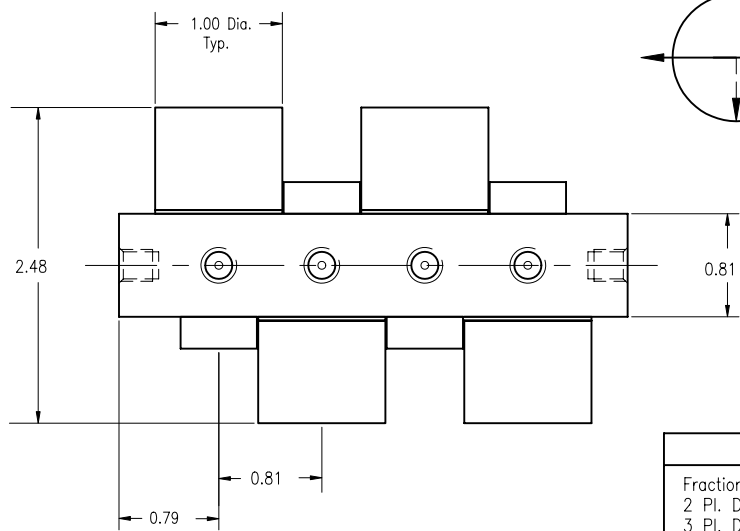
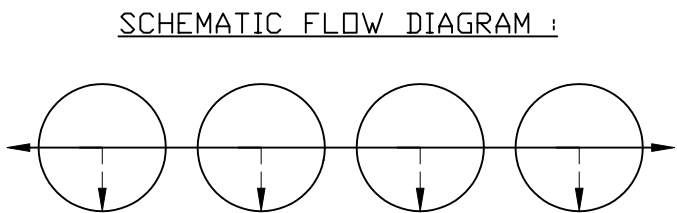
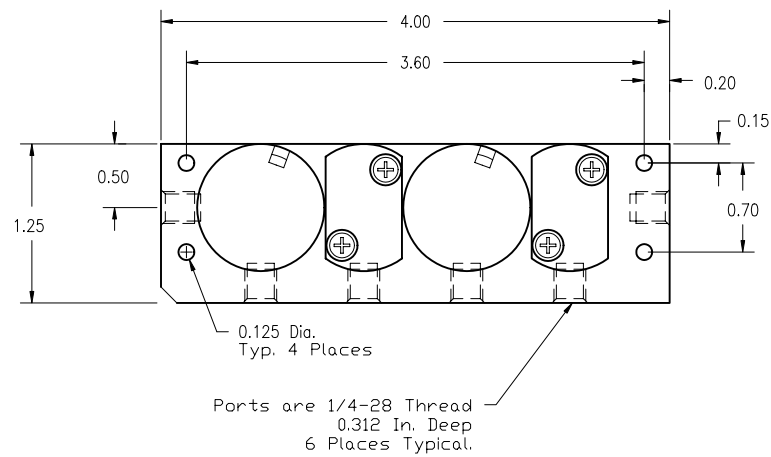


This drawing is NOT to be used for making reproductions thereof, or for making or using any apparatus, equipment, subject matter, or technical information without written authorization of Neptune Research and Development, Inc. All prints are to be returned to Neptune immediately upon completion of work.



225V307

SPECIFICATIONS:

Mechanical: (Each Port)

- TYPE: 2w Normally Closed
- PORT CONNECTION: 1/4-28 Flat Bottom
- NOMINAL ORIFICE: 0.062 in (1.5mm)
- OPERATING PRESSURE: Vacuum to 30 psi (2 bars)
- TEST PRESSURE: 30 psi N₂ (Bubble tight)
- WETTED MATERIALS: TEFLON® (Diaphragm) & (Body)
- MOUNTING ORIENTATION: Any Position

Electrical: (At 20°C No Pressure)

- OPERATING VOLTAGE: 12vdc (See Note 1)
- POWER CONSUMPTION: 1.5 Watts/12vdc
- LEAD WIRES: #26 AWG, TFE Insulated, both Yellow 18" long

- TEST VOLTAGE (ON): 12vdc maximum.
- TEST VOLTAGE (OFF): <4 volts.
- RESPONSE TIME (ON): 20ms maximum (12vdc)
5 to 20 ms subject to applied voltage and driving circuits.
- RESPONSE TIME (OFF): 30 ms maximum (12vdc)
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 |
|----------------------------|---------|---|----------------|-------------------|----------|
| Fractions | ± 1/64 | Break Sharp Edges | 0.003-0.008 | Dr. By | JK |
| 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 | 225T081 2wNC Man. | |
| Angular | ± 0.06° | | Drawing Number | 225V307 | |
| All Fin. Surf. | | | | | |

