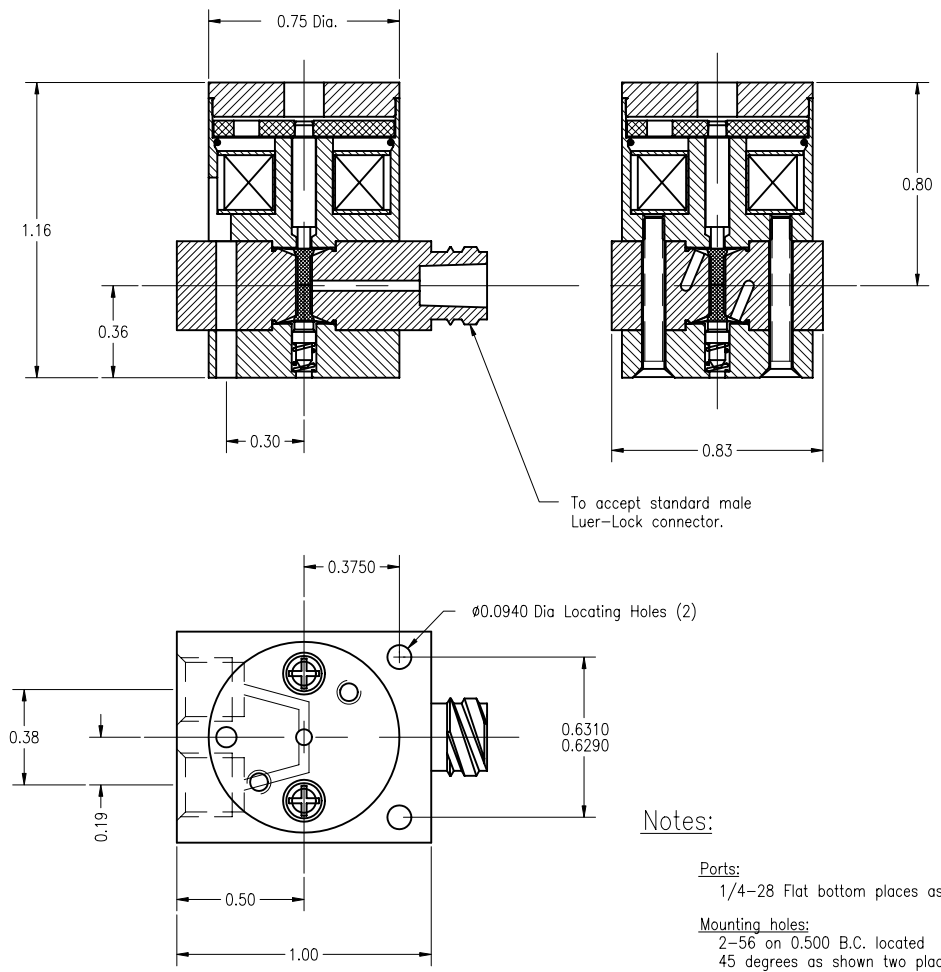


This drawing is NOT to be used for making reproductions thereof, or for making or using any apparatus, equipment, subject matter, or technical information without written authorization of Neptune Research and Development, Inc. All prints are to be returned to Neptune immediately upon completion of work.



SPECIFICATIONS:

Mechanical: (Each Port)

- TYPE: 3w Diverter
- PORT CONNECTION: 1/4-28 Flat Bottom & Female Luer-Lock
- NOMINAL ORIFICE: 0.040 In. (1.0 mm)
- OPERATING PRESSURE: Vacuum to 30 PSI (2 Bars)
- TEST PRESSURE: 30 PSI N₂ (No leakage)
- INTERNAL VOLUME: 14 microliters (Port to Seat 2 places)
13.2 microliters (Common passage)
- WETTED MATERIALS: TEFLON® Diaphragm, KEL-F Body
- MOUNTING ORIENTATION: Any Position

Electrical: At 70° F (No pressure applied)

- OPERATING VOLTAGE: 24 VDC (Continuous) See note 1.)
24 to 48 volts subject to duty cycle and / or holding voltage applied.
- POWER CONSUMPTION: 1.15 Watts/24 VDC (approx.)
- LEAD WIRES: #26 AWG, TFE Insulated
Blue 18 In. (about 450mm) 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.

Notes:

- Ports:
1/4-28 Flat bottom places as shown.
- Mounting holes:
2-56 on 0.500 B.C. located
45 degrees as shown two places.

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 2=1 (B)	Material As Noted
Fractions	± 1/64	Break Sharp Edges 0.003-0.008	Dr. By A. Sule	Date 02-16-1992
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 CSAT032 3w 24vdc	
Angular	± 0.06°	Parallel, Flat, Square and True		
All Fin. Surf.		to Each Other within 0.001 T.I.R.	Drawing Number VALM550	

