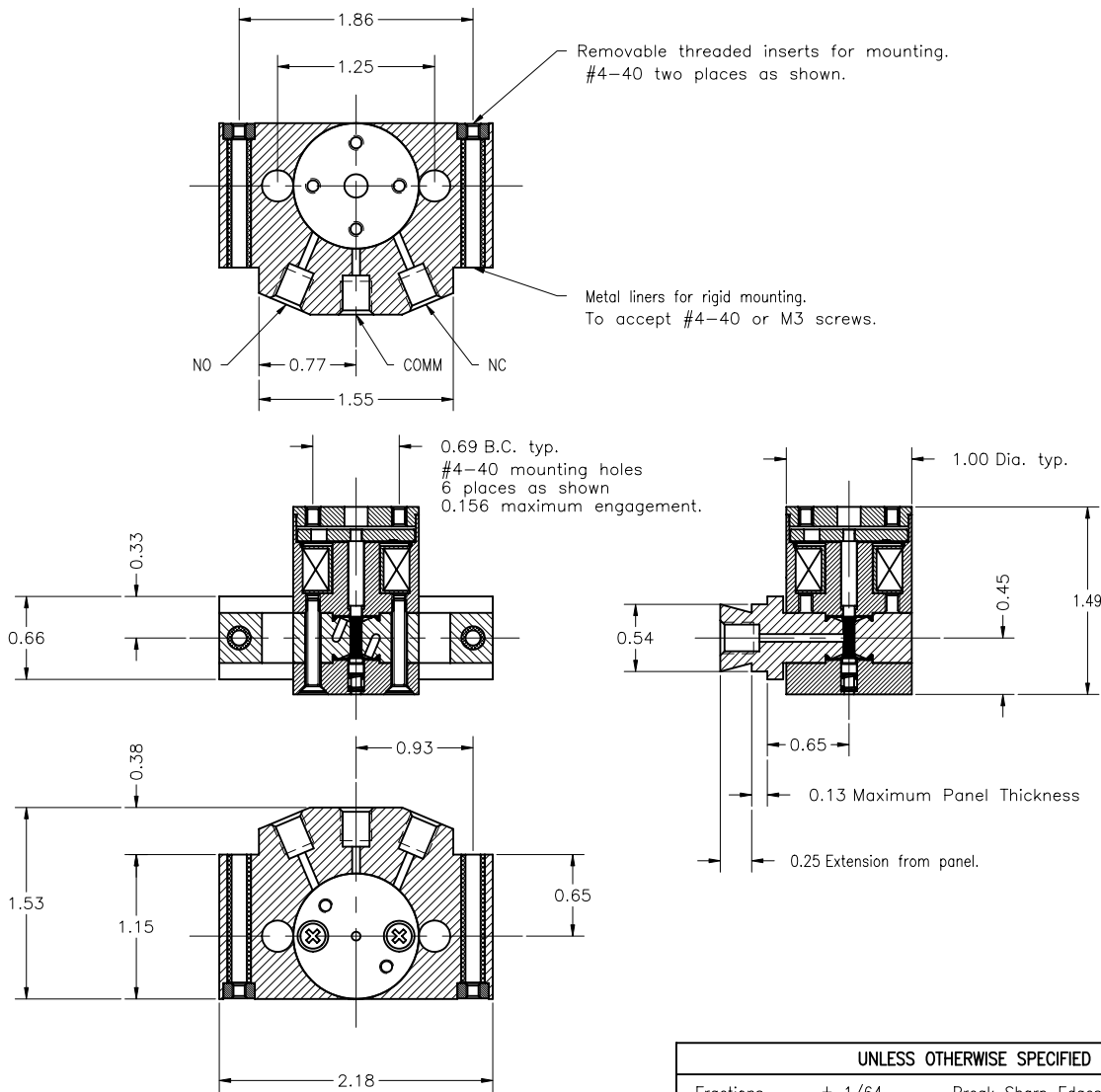


This drawing is NOT to be used for making reproductions thereof, or for making or using any apparatus, equipment, subject matter, or technical information without written authorization of Neptune Research and Development, Inc. All prints are to be returned to Neptune immediately upon completion of work.



SPECIFICATIONS:

Mechanical: (Each Port)

TYPE: 3w Diverter

PORT CONNECTION: 1/4-28 Flat Bottom

NOMINAL ORIFICE: 0.062 In. (1.5 mm)

OPERATING PRESSURE: Vacuum to 100 PSI (6.89 Bars)

TEST PRESSURE: 100 PSI N₂ (Less than 3µl/Min. Leakage.)

INTERNAL VOLUME: 111 microliters from bottom of ports.

WETTED MATERIALS: TEFLON®

MOUNTING ORIENTATION: Any Position

Electrical: (At 70° F No Pressure)

OPERATING VOLTAGE: 12 VDC (Continuous)

12 to 24 VDC Subject to duty cycle and/or holding voltage applied.

POWER CONSUMPTION: 6.3 Watts at 12 VDC (Approximately)

LEAD WIRES: #26 AWG, TFE Insulated

White 18 Inches (457 mm) long.

TEST VOLTAGE (ON): < 9 VDC

TEST VOLTAGE (OFF): 0.5 to 4 VDC

RESPONSE TIME (ON): < 20 ms at 12 VDC

5 to 20 ms subject to applied voltage and driving circuits.

RESPONSE TIME (OFF): < 30 ms from 12 VDC

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	As noted.
Fractions	± 1/64	Break Sharp Edges	0.003-0.008	Dr. By	A. Sule	Date 06-05-1990
2 Pl. Dec.	± 0.005	All Small Fin. Radii	0.003-0.008	Rev. By	F. Tarnok	Date 01-15-2009
3 Pl. Dec.	± 0.002	All surfaces shall be Concentric,		Part Name		
Angular	± 0.06°	Parallel, Flat, Square and True		HPNLBT031	3w	12VDC
All Fin. Surf.		to Each Other within 0.001 T.I.R.				
						Drawing Number
						VALM553

