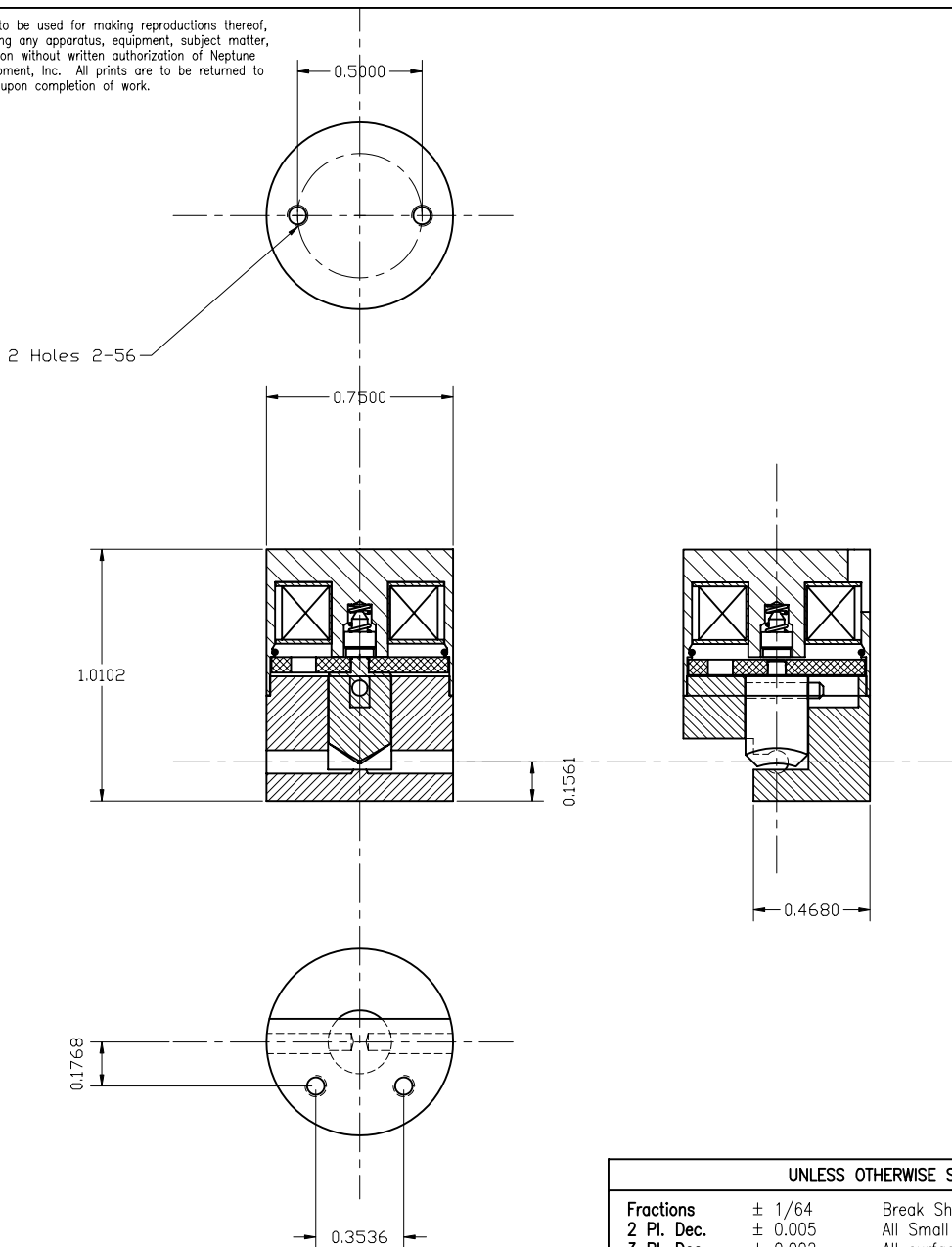


This drawing is NOT to be used for making reproductions thereof, or for making or using any apparatus, equipment, subject matter, or technical information without written authorization of Neptune Research and Development, Inc. All prints are to be returned to Neptune immediately upon completion of work.



SPECIFICATIONS:

Mechanical: (Each Port)

TYPE: 2w Normally Closed
PORT CONNECTION: Tube 0.065 OD x 0.030 ID
NOMINAL ORIFICE: 0.030 In. (0.75 mm)
OPERATING PRESSURE: Vacuum to 30 PSI (2 Bars)
TEST PRESSURE: 30 PSI N₂ (No leakage)
INTERNAL VOLUME: Not Applicable


WETTED MATERIALS: Silicone Tube
MOUNTING ORIENTATION: Any Position

Electrical: At 70° F (No pressure applied)

OPERATING VOLTAGE: 12 VDC (Continuous) See note 1.)
12 to 24 volts subject to duty cycle and / or holding voltage applied.
POWER CONSUMPTION: 1.15 Watts/12 VDC (approx.)
LEAD WIRES: #26 AWG, TFE Insulated
Yellow 18 In. (about 450mm) long.
TEST VOLTAGE (ON): < 9 VDC
TEST VOLTAGE (OFF): 0.5 to 4 VDC
RESPONSE TIME (ON): 20ms Max. (12 VDC)
5 to 20 ms subject to applied voltage and driving circuits.
RESPONSE TIME (OFF): 30ms Max. (from 12 VDC)
30 to 5 ms adjustable by driving circuits.
SPECIAL NOTE: Response time is for the valve only
The tube response time will vary from one to another as will duty life of tube.

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	G Stevens		Date	03-23-2002		
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 .161P011 1xNC 12vdc						
Angular	± 0.06°	Parallel, Flat, Square	and True							
All Fin. Surf.		to Each Other within	0.001 T.I.R.	Drawing Number .161V254						

