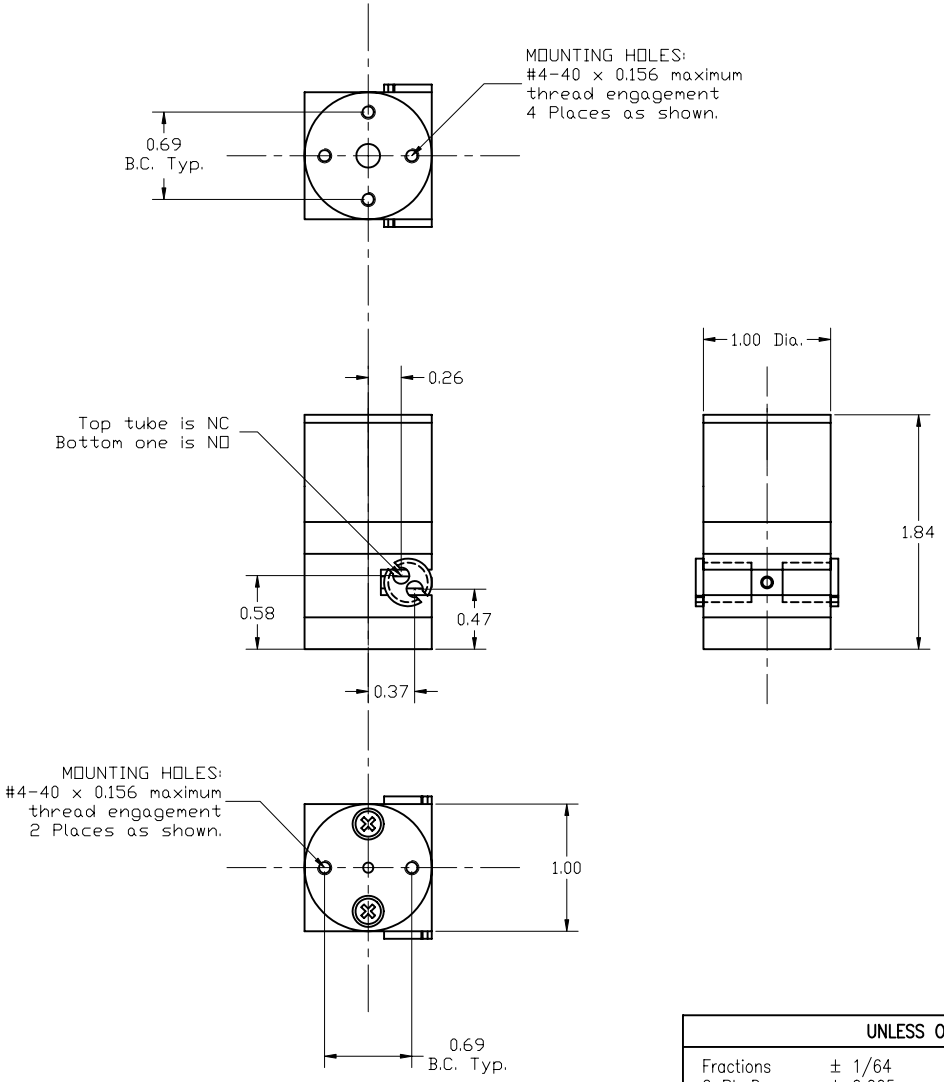

SPECIFICATIONS:

Mechanical: (Each Port)

TYPE:	1x NC & 1x NO Pinch Valve
PORT CONNECTION:	Tube 1/8 OD x 1/16 ID
NOMINAL ORIFICE:	0.0625 Inches (1.59 mm)
OPERATING PRESSURE:	Vacum to 30 PSI (2 Bars)
TEST PRESSURE:	30 PSI N_2 (Less Than 3µl/min Leakage)
INTERNAL VOLUME:	N/A
WETTED MATERIALS:	Silicone Tube
MOUNTING ORIENTATION:	Any Position

Electrical: (At 70° F, No Pressure Applied)

OPERATING VOLTAGE:	24 VDC (Continuous, see Note 1.)
	24 to 48 VDC Subject to duty cycle and/or holding voltage applied.
POWER CONSUMPTION:	1.7 Watts at 24 VDC (Approximately)
LEAD WIRES:	#26 AWG, TFE Insulated
	Blue 18 Inches long (457 mm)
TEST VOLTAGE (ON):	< 18 VDC at time of shipment.
TEST VOLTAGE (OFF):	0.1 to 8 VDC at time of shipment.
RESPONSE TIME (ON):	< 20 ms at 24 VDC
	5 to 20 ms subject to applied voltage and driving circuits.
RESPONSE TIME (OFF):	< 30 ms from 24 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			
Fractions	± 1/64	Break Sharp Edges	0.003–0.008
2 Pl. Dec.	± 0.005	All Small Fin. Radii	0.003–0.008
3 Pl. Dec.	± 0.002	All surfaces shall be Concentric,	
Angular	± 0.06°	Parallel, Flat, Square and True	
All Fin. Surf.		to Each Other within 0.001 T.I.R.	

Scale 1 : 1 (B)		**Material** As Noted	NR RESEARCH INCORPORATED
Dr. By F. Tarnok		**Date** 08-23-2010	
Checked		**Approved**	
Part Name	225P092-21 1xNC 1xNO 24VDC	**Drawing Number**	225V291