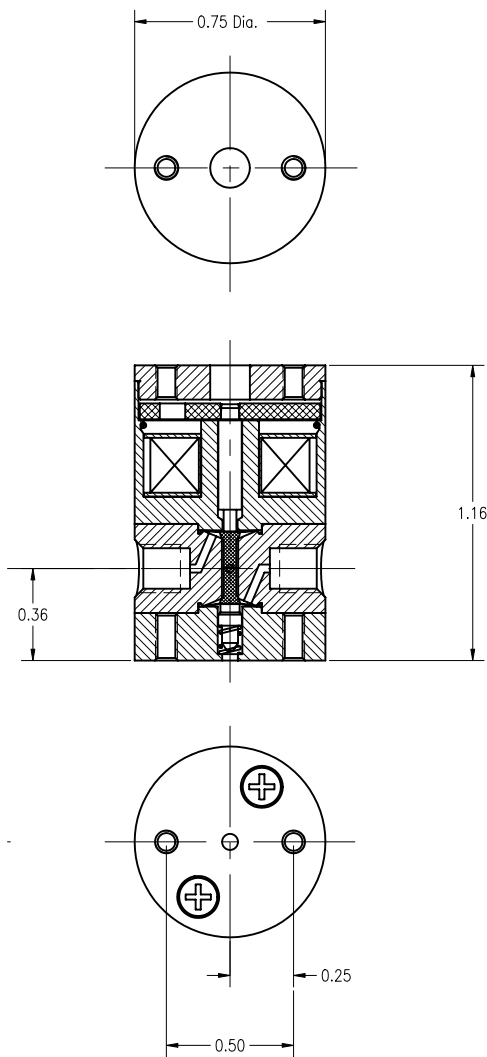


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SPECIFICATIONS:

- Mechanical:** (Each Port)
- TYPE: 3w diverter
 - PORT CONNECTION: #10-32 Flat bottom.
 - NOMINAL ORIFICE: 0.040 In. (1.0 mm)
 - OPERATING PRESSURE: Vacuum to 30 PSI (2 Bars)
 - TEST PRESSURE: 30 PSI N₂ (Less than 3µl/Min. Leakage.)
 - INTERNAL VOLUME: 27 microliters total from bottom of ports.
 - WETTED MATERIALS: TEFLON® Diaphragm + PEEK Body
 - MOUNTING ORIENTATION: Any Position
- Electrical:** (At 70° F No Pressure Applied)
- OPERATING VOLTAGE: 12 VDC
12 to 24 VDC subject to duty cycle and / or holding voltage applied.
 - POWER CONSUMPTION: 1.13 Watts at 12 VDC (Approximately)
 - LEAD WIRES: #26 AWG, TFE Insulated
Yellow 12 Inches (305mm) long.
 - TEST VOLTAGE (ON): < 9 VDC
 - TEST VOLTAGE (OFF): 0.5 to 4 VDC
 - RESPONSE TIME (ON): < 20ms at 12 VDC
5 to 20 ms subject to applied voltage and driving circuits.
 - RESPONSE TIME (OFF): < 30ms 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	2 : 1 (B)	Material	As noted
Fractions	± 1/64	Break Sharp Edges	0.003-0.008	Dr. By	A. Sule	Date 07-23-1995
2 Pl. Dec.	± 0.005	All Small Fin. Radii	0.003-0.008	Rev. By	F.Tarnok	Date 04-21-2010
3 Pl. Dec.	± 0.002	All surfaces shall be Concentric,		Part Name .T161PK031 3w 12vdc		
Angular	± 0.06°	Parallel, Flat, Square and True				
All Fin. Surf.		to Each Other within 0.001 T.I.R.		Drawing Number .VALM583		

