

TD Series Switching solenoid dump valve

FEATURES

- 2-way Normally Open exhaust valve in a small package size
- Works well in miniature applications such as in Non-Invasive Blood Pressure (NIBP) devices
- · Provides small size and low cost
- Offers low holding voltage
- PRO services



Non-corrosive gases



WETTED MATERIALS

Elastomer:

Silicon; nickel-plated steel

Frame:

SPCC (treatment: MFZn2-c)

All other:

Polybutylene Terephthalate (PBT);

304 series stainless steel

ELECTRICAL

Power 0.5 W or less

Voltage 3, 6 or 12 V_{DC}

PHYSICAL PROPERTIES

Operating environment 0 to 45 °C

Storage temperature -25 to 70 °C

Porting 1 port, 0.118 in (3 mm) O.D.,

suitable for 0.078 in I.D., Urethane tubing

Weight 7.7 g (0.27 oz)

Internal volume 0.026 cm³

Filtration None required

Lubrication None required

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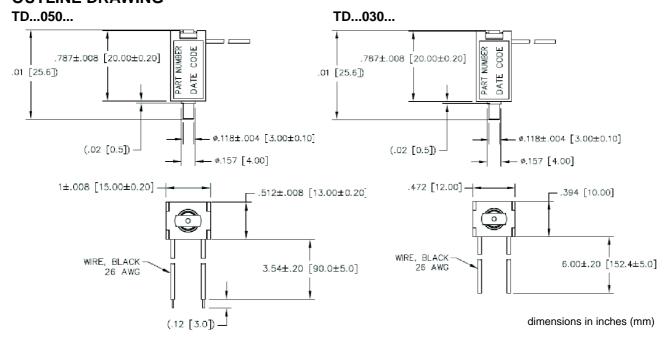
PERFORMANCE CHARACTERISTICS

Part no.	Pressure	Vacuum	Orifice sizes / equivalent C _v ¹	Leak rate ²	Response	
TD030	06 psig holding	027 "Hg (013 psi)	0.030" (0.762 mm) /0.017 C _v	0.016 sccm	<100 msec cycling	
TD050			0.050" (1.270 mm) / 0.035 C _v	(bubble tight)		

Notes:

- ¹ The C_v value is the volume flow in US gallons/min under specific flow conditions and describes the relative flow capacity of a valve. The equivalent european measure is the k_v value expressed in m^3/h ($k_v = 0.86 C_v$).
- 2 sccm denotes Standard Cubic Centimeters per Minute. It is a unit for the flow rate at standard conditions of temperature and pressure.

OUTLINE DRAWING



ORDERING INFORMATION

	Series	Ways		Pressure		Function		Orifice		Elastomer		Voltage	
Options	TD	2	2 way	P006	6 psi	Р	NO	030	0.030"	S	Silicone	03	3 V _{DC}
								050	0.050"			06	6 V _{DC}
												12	12 V _{DC}
Example:	TD	2		P006		Р		030		S		06	

PRO services:

- · Extended warranty period of 2 years
- · Advanced logistics models for supply inventory and short delivery times
- · Technical support through application engineers on the phone or at your site
- · Fastest possible technical response for design and QA engineers
- ... plus other services on request

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