V526D

2-Way Direct Acting Balanced Poppet Solenoid Valve

Valcor Engineering Corporation

DESCRIPTION

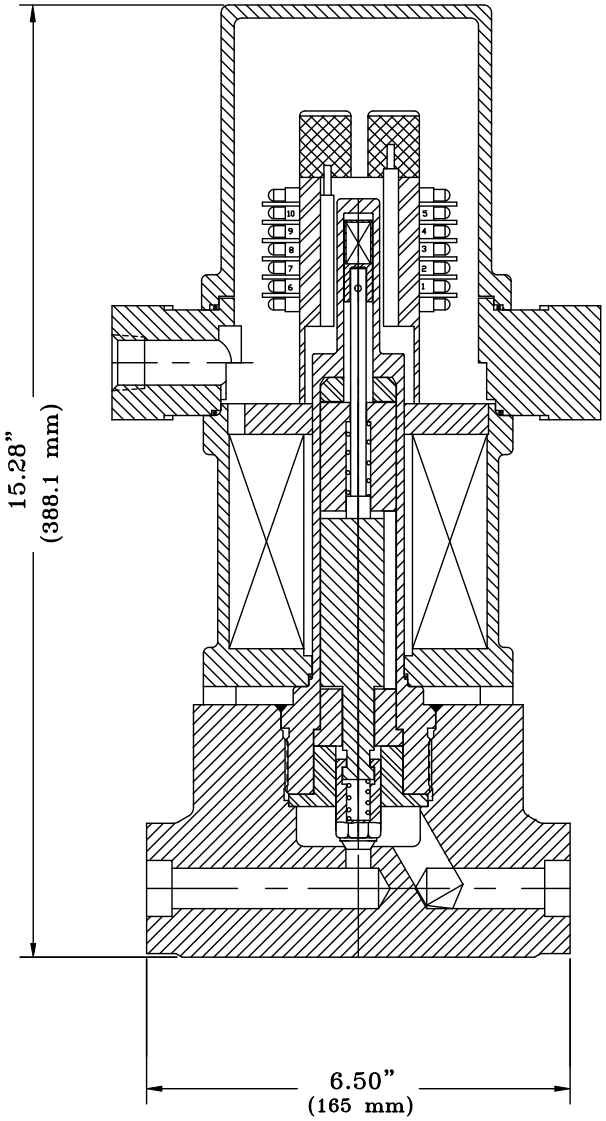
The V526D is specifically designed for liquid or gas applications in the nuclear energy industry. Utilizing Valcor's 'Through The Wall' magnetic principle of operation eliminates the potential for external leakage. Isolation standoffs prevent excessive heat transfer from the process media to the solenoid operator. The internal parts are contoured to retard buildup of contamination and sludge. Its compact, lightweight design provides excellent resistance to seismic vibration and shock. A completely enclosed and encapsulated coil insures continuous operation during a LOCA event.

APPLICATION

Typical applications include feed water control systems, dump lines, make-up water, miscellaneous process systems, N2 systems, monitoring/sampling systems, and containment isolation.

FEATURES

- High cycle life - over 100,000 operations in most applications
- Resistant to contamination and sludge buildup
- Available in Fail Safe Closed, Fail Safe Open, or Fail in Last Position configuration
- Stellite or elastomer seat available
- Optional position indication switches for remote status indication
- Easy maintenance without disturbing the pressure boundary seals
- 2-Piece NEMA 4 stainless steel coil housing
- Stress and seismic analysis available
- Valve Ratings: ANSI class 150 to 2500
- Qualified life: up to 60 years + LOCA



Custom designs are our specialty. Contact us today to see how we can help on your next project.

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Specifications

Valve	ASME B&PV, Section III Class 1, 2, & 3, B16.34, B31.1/3
Solenoid Operator	Class H materials or better. 120, 220, 240, 380 VAC or 24, 48, 125, 250 VDC. Other voltages available.
Solenoid Housing	Totally enclosed. Meets minimum of NEMA 4 or better. Qualified to IEEE 323, 344, ASME QME-1.
Line Connection	Standard: socket weld. Optional: butt weld, NPT or tube extensions
Body Material	Standard: stainless steel. Optional: carbon steel
Qualification	IEEE 323 - 1974, 1983, and later editions IEEE 344 - 1975, 1987, and later editions IEEE 382 - 1980, 1996, and later editions ASME QME-1 - 2007 and later editions
Radiation Resistance	Standard at 2 x 10^{-8} rads.

VALVE Type	MAX. Fluid Temp.	Cv*	Operating Differential Pressure (ΔP) PSI								
			.1	.3	.5	.7	1	2	3	4	5
D1AH	650°F	ΔP PSI	2500	1250	500	250	150				
D2BH	650°F			4700	2200	1250	600	300	150	100	
D2SH	650°F						950	400	250	150	100
D1AS	300°F	ΔP PSI			200	125	100				
D2BS	300°F						500	200	100		
D2SS	300°F						600	300	150	100	

*The pressures listed above are typical for each valve type. Actual Cv values may vary depending on individual applications.

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