V526D

2-Way Direct Lift Fail Closed or Fail Open

Valcor Nuclear - Process Solenoid Valve

DESCRIPTION

Absolute zero leakage to the environment. Valcor's "through the wall" magnetic principle of operation eliminates all potential leak points such as packings, bellows and diaphragms. Extreme reliability is inherent due to rugged design, simplicity of operation, and a minimum number of moving parts. Isolation standoffs prevent excessive heat transfer to the solenoid operator. Internal parts are contoured to retard buildup of contamination and sludge. 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

This valve is engineered for all liquid or gas applications in the nuclear industry. Typical applications are feed water control systems, dump lines, make-up water, pilot control for large control valves, head vent systems, chemical injection systems, and monitoring/sampling systems.

FEATURES

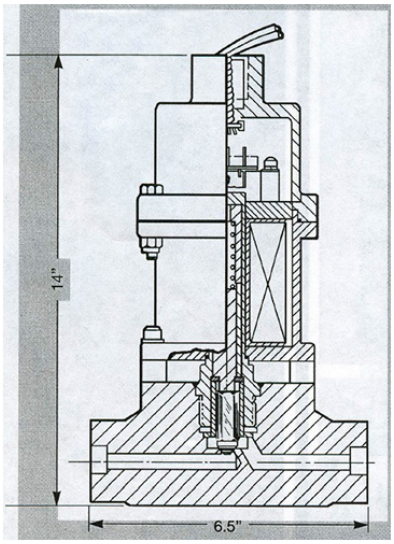
- Valve Ratings: ANSI class 150 to 2500.
- High Cycle Life. Over 100,000 operations in most applications.
- Resistant to contamination and sludge buildup.
- ASME Section III, Classes 1, 2 and 3.
- Available Fail Safe Closed, Fail Safe Open or Fail in Last Position (Latching).
- Stellite or elastomer seats.
- Position indication switches available for remote status indication.
- Solenoid and switch assemblies readily accessible for removal or maintenance without disturbing the pressure boundary.
- Stress and seismic analysis available. Qualified to IEEE 323, 344, 382.
- Radiation resistance: Standard, 2x10^8 rads.
- Qualified Life: Up to 60 Years + LOCA.
- IEEE 572 ECSAs Available

PH: 973-467-8400 FX: 973-467-9592 WWW.VALCOR.COM

REV 02/16

SOLENOID VALVE SERIES V526D

Dimensions



Shown WIthout Position Indication.

Specifications

Valve	ASME B&PV, Section III Class 1, 2, & 3, B16.34, B31.1
Solenoid Operator	Class H materials or better. 120, 220, 240, 380 VAC or 24, 48, 125, 250 VDC.
Electronic Components	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 or Tube Extensions, Flanged
Body Material	**Standard:** Stainless Steel **Optional:** Carbon Steel or Alloy
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

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.