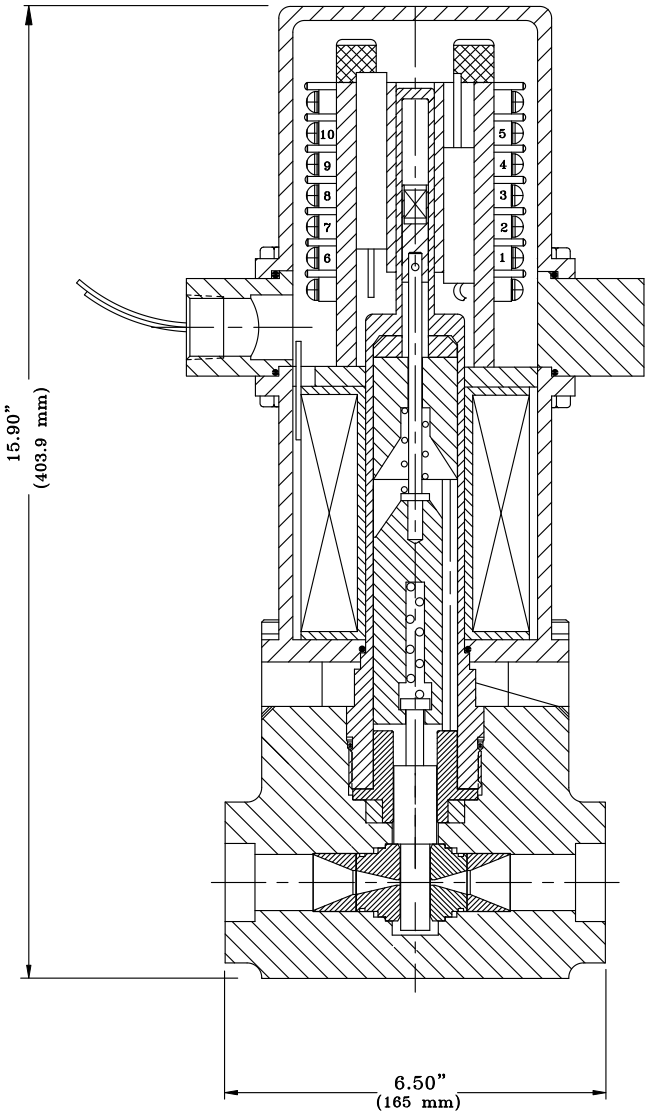
V526G

2-Way Direct Acting Sliding Gate Type Solenoid Valve

Valcor Engineering Corporation





DESCRIPTION

The V526G is specifically designed for liquid or gas applications in the nuclear energy industry. Their coaxial design allows for minimal pressure drop and utilize self-cleaning seal discs to ensure tight shutoff over the entire operating pressure range. 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, and miscellaneous process systems. Also, this valve is used in monitoring/sampling, chemical injection and head venting systems. The V526G is often used to pilot larger process control valves.

FEATURES

- High cycle life - over 100,000 operations in most applications
- Resistant to contamination and sludge buildup
- Available in Fail Safe Closed and Fail Safe Open
- Optional position indication switches for remote status indication
- Easy maintenance without disturbing the pressure boundary seals
- 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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2 Lawrence Road | Springfield, NJ 07081
(973) 467-8400 | nuclear@valcor.com
www.valcor.com

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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.
Solenoid Housing	Totally enclosed. Meets minimum of NEMA 4 or better. Qualified to IEEE 323, 344, 382.
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							
			.05	.2	.3	.8	1	2	5	11
G1AC	650°F	ΔP PSI	1500	500	350	250	150	50		
G2BC	650°F				2000	1250	1000	650	200	50

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

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