V526G

2-Way Direct Lift Fail Closed or Fail Open

Valcor Nuclear - Process Solenoid Valve

DESCRIPTION

This gate type design uses spring loaded seal discs that seal tightly at all pressures from 0 psig to maximum rating. Extreme reliability is inherent due to the rugged design and simplicity of operation and a minimum number of moving parts. Isolation standoffs prevent excessive heat transfer to the solenoid operator. Because of the straight-through flow path with self-cleaning sealing surfaces, internal passages inherently resist any build-up of contamination and sludge. Compact, lightweight design provides excellent resistance to seismic vibration and shock. A completely enclosed and encapsulated coil ensures continuous operation during 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).
- 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.

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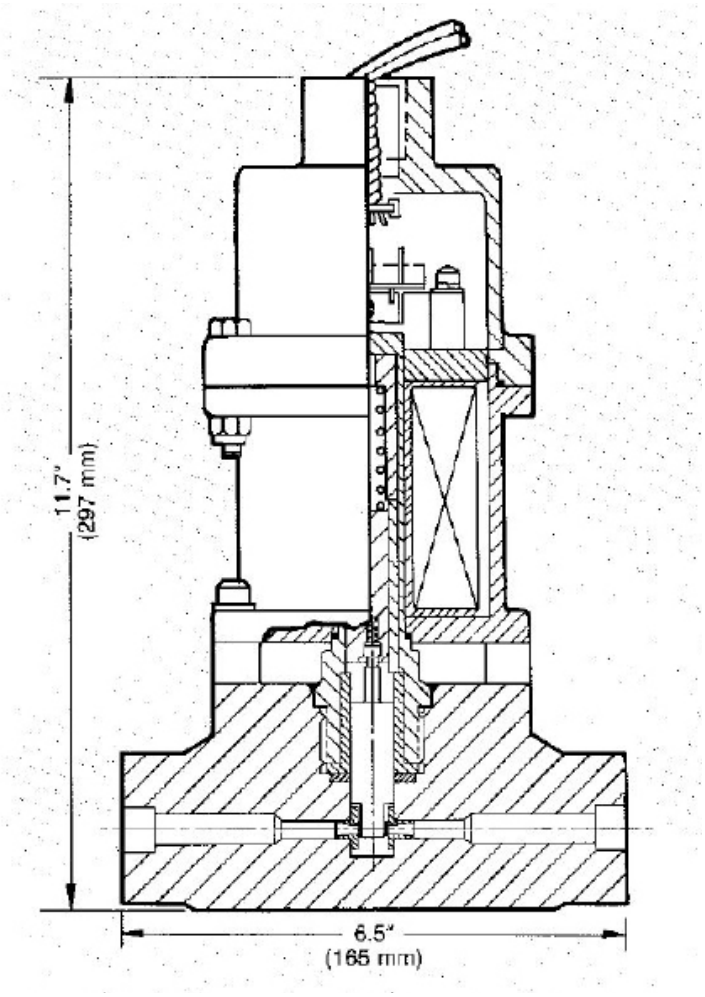
SOLENOID VALVE SERIES V526G

Dimensions



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.
Line Connection	**Standard:** Socket weld **Optional:** Butt Weld 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

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.