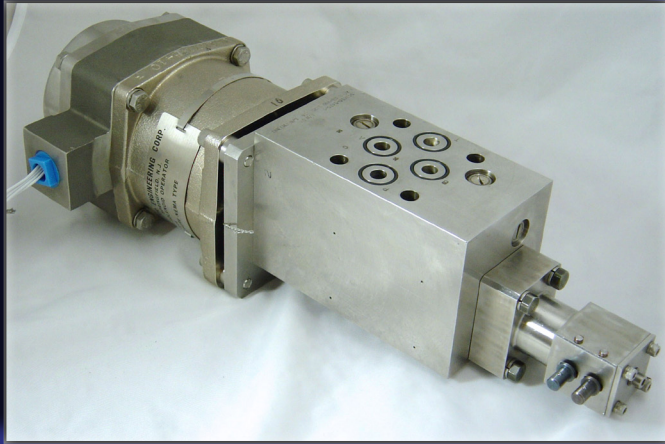


V526-5410

4-Way Direct-Acting Latching Solenoid Valve



Valcor Engineering Corporation



DESCRIPTION

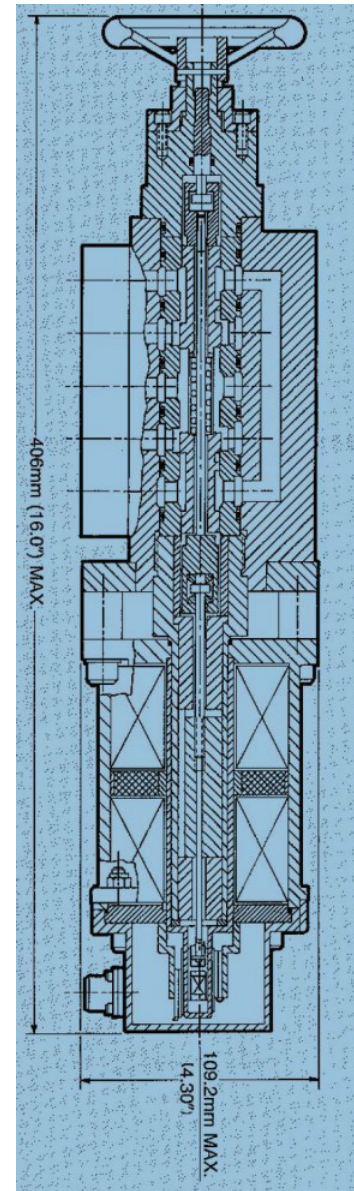
The V526-5410 are 4-way direct acting, 2 position latching solenoid valves specifically designed for liquid applications in the nuclear energy industry. They use a dual poppet assembly that includes a shock absorbing spring to minimize seat wear and ensure long life. These valves include a handwheel manual override capability. 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

The V526-5410 are specifically designed for use in the fuel handling systems of CANDU power plants. They control high pressure heavy water to the pair of remotely actuated robotic fueling machines used in these power stations.

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
- Valve Ratings: ANSI class 150 to 2500
- Stress and seismic analysis available
- Manual override available



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

Valcor Engineering Corporation
2 Lawrence Road | Springfield, NJ 07081
(973) 467-8400 | nuclear@valcor.com
www.valcor.com

V526-5410

4-Way Direct-Acting Latching Solenoid Valve



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Operating Pressure & Flow Ratings

Media	Operating Pressure (PSIG)	Ambient Temp.	Min. Volts DC	Cv
Liquid, Air	120-2500	104°F	24, 48, 120	0.1 to 30

Specifications

Valve	ASME B&PV, Section III Class 1, 2, & 3, B16.34, B31.1
Solenoid Operator	Class H materials or better. 24 VDC.
Solenoid Housing	Totally enclosed. Meets minimum of NEMA 4 or better. Qualified to IEEE 323, 344.
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
Radiation Resistance	Standard at 1×10^{-8} rads.

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