

V70400-66

2-Way B31.1 Non-Code Valve

Valcor Nuclear - Shut-Off Valve

DESCRIPTION

Valcor's 704 valves are direct acting, 2-way solenoid shut-off valves with a pilot assist feature. The valves meet the materials and fabrication requirements of ANSI B31.1 and the Nuclear Regulatory Guide 1.143. They also meet IEEE 323 and 344 requirements. The valves are specifically designed for all radioactive liquid and gas applications in the rad-waste management system. These include regenerative, chemical, floor drain, and laundry drain waste. The valves incorporate a globe pattern design with internal parts contoured to resist contamination and sludge buildup.

APPLICATION

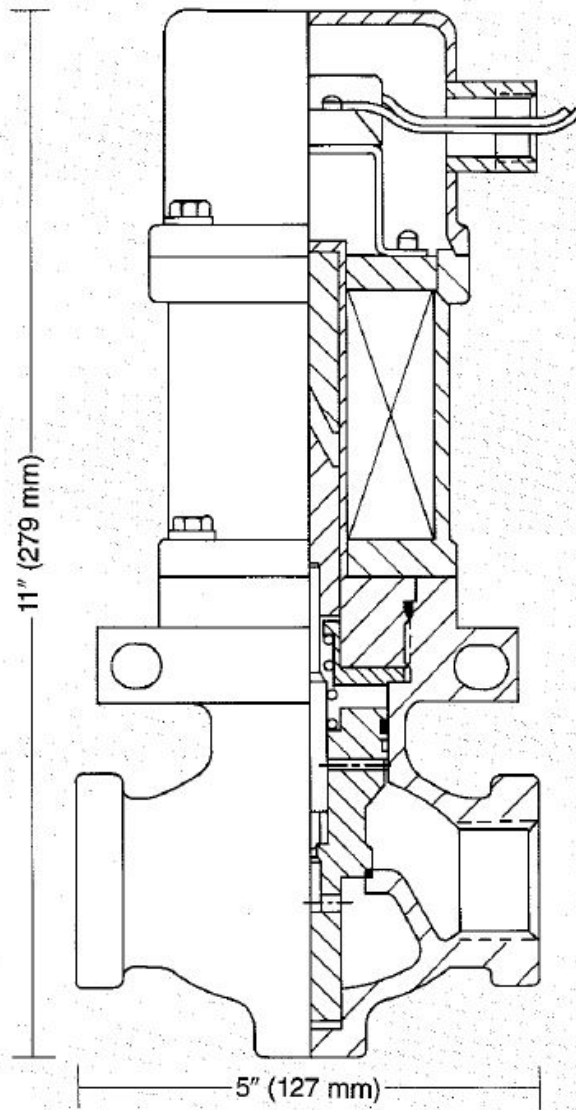
An integral pilot poppet creates a pressure unbalance. This assists the operation of the main poppet, providing the superior features of the direct lift and pilot designs. The valve does not require any minimum ΔP for operation.

FEATURES

- Meet ANSI B31.1 and Nuclear Regulatory Guide 1.143 requirements.
- Zero external leakage
- High cycle life; over 100,000 operations in most applications.
- Electrical components are totally enclosed and meet a minimum of NEMA 4 or better.
- Solenoid is readily accessible for removal or maintenance without disturbing the pressure boundary.
- Available in fail safe closed and fail safe open.
- Solenoid operator constructed of Class H materials or better. 120 VAC or 125 VDC. Other voltages available.
- Elastomer Seals
- Radiation resistance: Standard: 2×10^5 rads.



Model V70400-66



Typical Dimensions
of a 1" Valve
Weight: 20 lbs.

Specifications

Operating Pressure and Flow Ratings

Media	Operating Pressure (PSIG)	Ambient Temp.	Min. Volts DC	Cv
Liquid or Gas	200	200°F	125	11.0