

V520-50

Excess Flow Check Valve



Valcor Engineering Corporation



DESCRIPTION

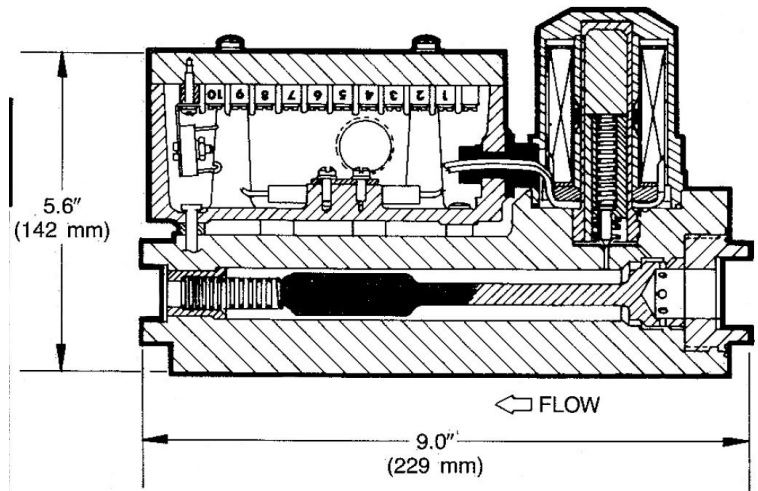
Valcor's V520-50 Excess Check Valves provide protection against a surge flow in a process line caused by a downstream line rupture or component failure. Excess Flow Check Valves quickly and safely shut off the flow when they trip. The V520-50's seat design ensures gas and liquid leak tight shut off when triggered. Integral position switches provide remote indication when the valve shuts off. The V520-50's also incorporate a solenoid to reset the valve when the downstream process system is restored to normal operating condition. The V520 check valves are rated for high temperature gas or liquid service and are IEEE 323/324 compliant.

APPLICATION

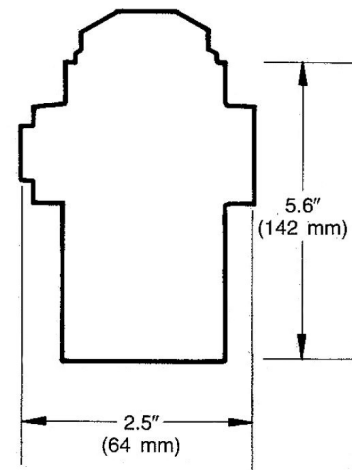
The V520-50 Excess Flow Check Valves are typically used in any gas or liquid application where the need to protect the system from a surge flow due to line rupture or component failure exists.

FEATURES

- Compact size and low weight
- 0-2500 PSIG working pressure
- 32°F to 650°F working temperature
- 1.5 to 3.0 GPM set point
- Bubble-tight shut-off with gas or liquid
- Resistant to contamination and sludge buildup
- Stress and seismic analysis available
- Radiation resistance: Standard at 2×10^{-8} rads
- Process connections include NPT, tube, and socket weld ports
- ANSI Class 150 through 2500 standard
- ASME Section III, Class 1, 2, and 3
- Qualified to IEEE 323, 344
- Mountable in any orientation



Typical Dimensions of a 1" Valve



Operating Pressure & Flow Ratings

| Media | Operating Pressure (PSIG) | Flow Rate | Ambient Temp. | Line Size |
|--------|---------------------------|----------------|---------------|------------|
| Liquid | 0-2500 | 1.5 to 3.0 GPM | 650°F | 3/8" to 2" |

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