

Excess Flow Check Valve Series

# FLO-FUSE

Automatic Stop Valve



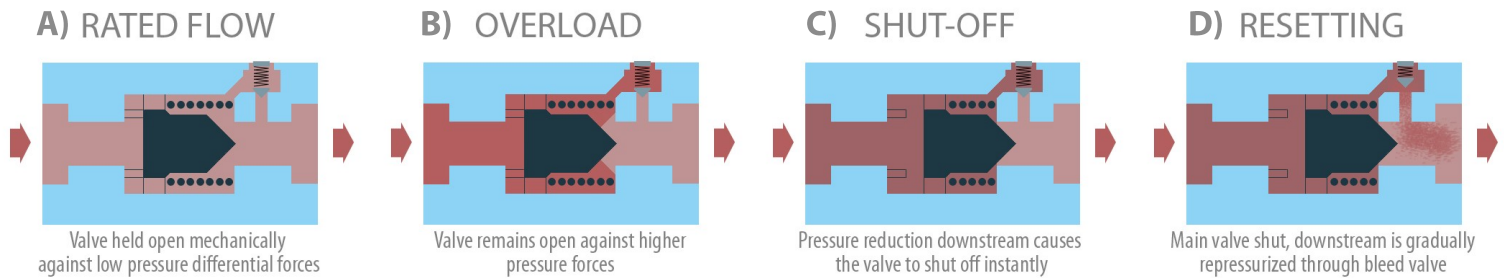
 **MAROTTA**<sup>®</sup>

*We're in Control*

## Flo-Fuse Excess Flow Check Valve

The Marotta Flo-Fuse® provides protection for fluid systems just as electrical fuses, or circuit breakers provide protection for electrical systems—shutting off the circuit when excessive flow is detected.

The Marotta Flo-Fuse® is a normally open check valve, held open by spring force during normal conditions. If the flow through the valve exceeds the normal flow by 200%, indicating excessive flow due to a failed line downstream, the Flo-Fuse® instantly closes. The valve remains closed to isolate the failure until the valve is reset.



The Marotta Flo-Fuse is a normally open valve, held open mechanically during normal rated flow conditions (A). It will tolerate overloads up to 100% above normal flow settings (B). Designs are available with very close tolerance between normal and shut-off flows. Such overloads may be experienced in a system due to operation of regulator valves, actuators, etc. A built-in dashpot feature absorbs transient pressure surges of substantially greater magnitude. In the event of excessive flow, the Flo-Fuse closes instantly—stopping flow and/or escaping line fluid (C). The valve remains closed, effectively isolating the failure until the damage is repaired and the Flo-Fuse is reset (D).

Model	SPV19/SPV33 <i>In-Line Configuration</i>	FVA <i>“Y” Configuration</i>
Pressure Range	0-6,000 psig (0-206 bar)	0-6,000 psig (0-206 bar)
Proof Pressure	1.5 times rated pressure	1.5 times rated pressure
Burst Pressure	2.5 times rated pressure	2.5 times rated pressure
End Connections	Union Ends: Socket or Sil-Brazed (other connections upon request) 1/4” - 4” Larger sizes available	Union Ends: Socket or Sil-Brazed (other connections upon request) 1/4” - 4” Larger sizes available
Body Material and Trim	Aluminum Alloy Stainless Steel Titanium Other material as required	Aluminum Alloy Stainless Steel Titanium Other material as required
Seal Material	Fluorocarbon (Viton) (standard) Other materials available	Fluorocarbon (Viton) (standard) Other materials available
Seat Material	Various, including Vespel and Nylon Other materials available	Various, including Vespel and Nylon Other materials available

### Features:

- Available in “In-Line” or “Y” configurations
- 50-6,000 psig service
- Rapid response
- Variety of materials available
- Cost Effective and Reliable
- In-Line or externally adjusted Y-configuration
- MIL-V-24394 Type I/II
- MIL-S-901 shock qualified
- MIL-STD-167 vibration qualified

### Options

- Manual reset
- Automatic reset—bypass bleed orifice
- Position indication—remote and local available



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WHEN IT COMES TO  
SPECIALTY FLUID CONTROLS  
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