

M-VF-F Series All PFA molded design.

Relieves system pressure at preset crack pressure.

OPERATING PRINCIPLE

As the fluid (liquid or gas) enters the valve and the pressure across the piston exceeds the cracking pressure then, at a preset crack, when the differential pressure exceeds the spring force the piston travels instantaneously over towards the outlet port thereby opening the valve and relieving system flow.

APPLICATIONS

- Special semiconductor equipment relief valve applications.

KEY FEATURES

- High reliability
- Factory set
- Low pressure drop
- All mechanical
- Right-angle flow
- Flare type connection
- Bubble tight seal



Measurement Specifications

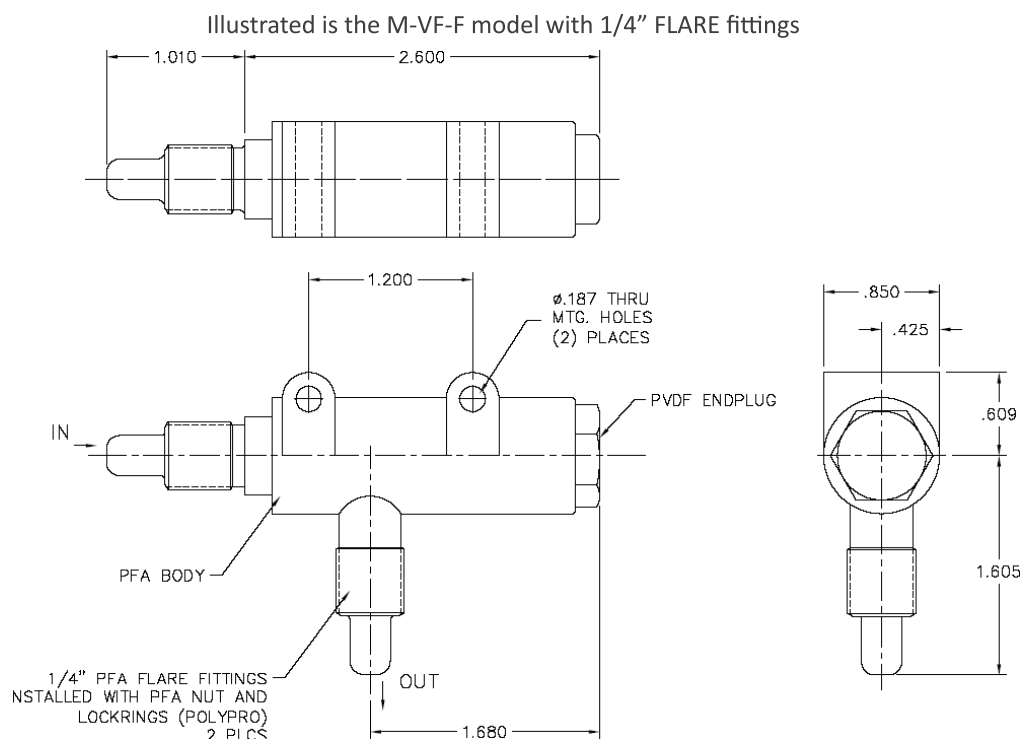
Calibration Range *	Cracking pressure*
	* The product can be set at a cracking pressure in the range of 30 - 90 psi with bubble tight shut off. Consult SPS-International for lower settings.
Set Point Accuracy	± 5% (Consult SPS-International for tighter accuracy)
Repeatability	± 2.5% (Consult SPS-International for tighter repeatability)
Hysteresis	30%
Material	PFA
Port Sizes	1/4" Flare
Cracking Pressure	30 to 90 psi
Mounting	Universal Mounting

Standard Specifications

Wetted Parts

Chemraz O-ring (piston active seal)
 Viton O-ring (end plug static seal)
 PVDF Piston Fluoropolymer T Body, PFA Flare fittings, PTFE coated spring(SS spring)

DIMENSIONAL DRAWINGS



Ordering Information

Standard Part Numbering									Options				
M	-	Model	-	Material	Port	Connec- tion	-	Piston	-	Poppet O-ring	Center O-ring	Back O-ring	Unique Part Identifier
M	-	VF	-	F	2	1	-	PV	-	2	2	2	XXX
		VF		F- PFA	2 - 1/4"	1 - Flare		PV - PVDF		2 - Viton 8 - Chemraz	2 - Viton 8 - Chemraz X - None	2 - Viton 8 - Chemraz	Unique numbering from 001 to 999 to identify settings and other custom requirements.

