

Griffco Valve Inc. 6010 N. Bailey Ave., Ste 1B Amherst, NY 14226 USA Phone: +1 716 835-0891 Fax: +1 716 835-0893 sales@griffcovalve.com www.griffcovalve.com

M-SERIES PRESSURE RELIEF VALVES



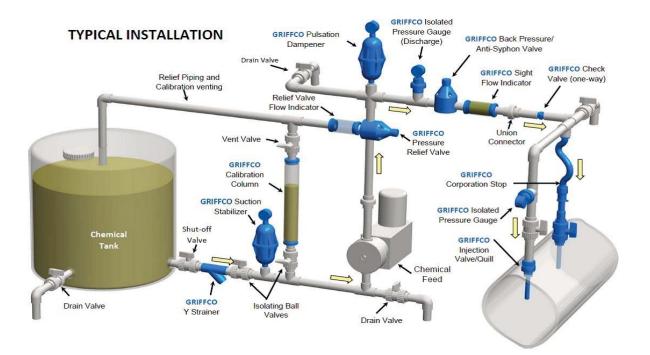
Griffco M-Series diaphragm pressure relief valves are designed to protect chemical feed systems from over pressure damage caused by defective equipment or a blockage in the chemical feed line. Robust construction ensures reliability in the rigorous service of municipal and industrial applications. Wetted materials include: **PVC, CPVC, PP, PVDF, PTFE, Halar, 316 SS, A20 and Hastelloy C**. Available sizes: 1/4", 3/8", and 1/2".

Features:

- Molded Noryl Top
- High Reliability / Low Cost
- Compact Size for OEM Applications
- Adjustable Pressure Settings
- Optional 350 PSI Rated Valve
- 3 Port, 2 Port, & 90° Configuration
- Robust, Machined Body Construction
- Multiple Diaphragm Materials
- Wide Range of Valve Materials

Operation:

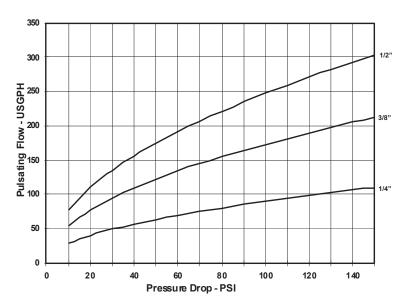
Griffco diaphragm pressure relief valves operate when the pressure in the chemical system exceeds the preset pressure of the valve. The diaphragm is held against the valve seat by an internal spring. When the preset pressure is exceeded the diaphragm is forced up and the chemical flows out the relief port, back to the chemical tank or to the suction side of the pump. The valves are pre-set at 50 psi, however they are field adjustable from 10 -150 psi, via the adjustment screw. The relief valve should be set approximately 15 psi higher than the system pressure. Installation should be made as close to the pump as possible, without any valves or accessories between the relief valve and the pump. Consult vour gump manufacturer for their recommendations.



Technical Data:

Technical D	ala.											
Sizes: PRM			1/4", 3/8", 1/2"									
Connections: Pressure Adjustment Flow Rates @ 150 psi			NPT, Socket, Union, Flanged Standard 10 - 150 psi, Optional: 0 – 50 psi, 10 - 250 psi, 50 – 350 psi Shipping Weight: Ibs									
							Size	Pulsating	Continuous	Plastic	Metal / Plastic Top	Metal / Metal Top
							1/4" 3/8" 1/2"	100 USgph 200 USgph 300 USgph	5 USgpm 10 USgpm 15 USgpm	1.0 1.0 1.0	2.5 2.5 3.0	3.0 3.0 3.5
Max Temperature: (°F)			PVC: 140°; CPVC & PP: 195°; PTFE & PVDF & Metal: 300°, (Peak 390°)									
Max Operating Pressure @ 70°F: (psi)			Plastic/Noryl: 375 psi, Metal /Metal: 2000 psi									
Materials of Construction:												
Diaphragm			PTFE / EPDM, Optional: Viton, Hypalon, Nitrile, PTFE / Viton									
Valve Top			Standard: Noryl, Optional: 316 SS L									
Valve Body			PVC, CPVC, PP, PTFE, PVDF, 316 SS L, A 20, Hast. C, Others on Request									

Performance Curves:

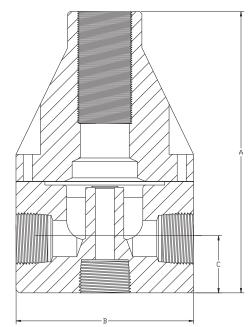


Product Codes For Ordering:

PRM			
PRM2 (2 port)	1 2	3 4	
1 = Size	2 = Material	3 = Spring Opt	4 = Options
025 - 1/4" 038 - 3/8" 050 - 1/2"	P - PVC CP - CPVC PP - Polypro T - PTFE K - PVDF H - Halar S - 316 SS A - Alloy 20 C - Hastelloy C	Blank - 10-150 psi 1 - 0 - 50 psi 2 - 10 - 250 psi For 50 - 350 psi spring use option code "MSS"	Blank – NPT & PTFE/EPDM V - Viton Diaphragm TV – PTFE/Viton Diaph. S - Socket Connection F - Flange Connection U - Union Connection OSS - 316 SS L Top MSS - 50-350 psi 316SSL To AR - Priming Valve

N Гор 90 - 90° Configuration

Dimensions:



DIMENSIONS: PRM - Series							
All Materials (Orifice size = 0.312)							
Size	A (in.)	B (in.)	C (in.)				
1/4"	3.550	2.350	0.750				
3/8" 3.550		2.350	0.750				
1/2"	4.250	2.350	1.080				

Note: For Optional 2-Port pressure relief valve put "2" after PRG Note: Option MSS is only for use on 316SS, A20, & Hast C Valves.