

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

G - SERIES PRESSURE RELIEF VALVE



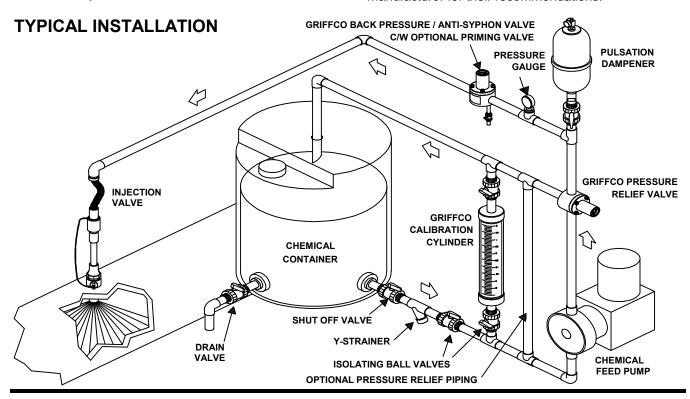
Griffco G-Series diaphragm pressure relief valves are designed to protect chemical feed systems from over pressure damage caused by defective equipment or a blockage in the chemical feed line. Robust construction ensures reliability in the rigorous service of municipal and industrial applications. Wetted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

Features:

- Molded Noryl Top
- High Reliability / Low Cost
- Molded PTFE/EPDM Diaphragm
- Adjustable 10 150 PSI
- Optional: Other PSI Rated Valves
- 2 & 3 Port Configurations
- Ventable to Suction Line
- Robust, Machined Construction
- Wide Range of Materials

Operation:

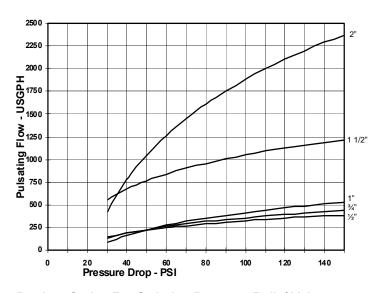
Griffco diaphragm pressure relief valves operate when the pressure in the chemical system exceeds the preset pressure of the valve. The diaphragm is held against the valve seat by an internal spring. When the preset pressure is exceeded the diaphragm is forced up and the chemical flows out the relief 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, (up to 350 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 your pump manufacturer for their recommendations.



Technical Data:

Model PRG Sizes:		1/2", 3/4", 1", 1 1/2", 2", 3", 4"				
Connections:			NPT, Socket, Union, & Flange			
Pressure Adjustment			Standard: 10 - 150 psi, Optional: 0 - 50 psi, 10 - 250 psi, 50 - 350 psi			
Flow Rates @ 150 psi			*Note: Size 1 1/2" and larger PRG valves 10 – 250 psi Max range ONLY. Shipping Weight: Ibs			
Size	Pulsating	Continuous	Plastic	Metal / Plastic Top	Metal / Metal Top	
1/2" 3/4" 1" 1 1/2" (2 port 2" only) 3" 4"	300 USgph 300 USgph 500 USgph 1200 USgph 2350 USgph 5200 USgph 5200 USgph	21 USgpm 21 USgpm 26 USgpm 63 USgpm 120 USgpm 270 USgpm 270 USgpm	3.0 3.0 3.5 7.0 9.0 28.0 30.0	5.5 5.5 6.0 14.0 20.0	6.5 7.0 7.0 23.0 30.0	
Max Temperature: (°F)		PVC: 140°; CPVC & PP: 195°; PTFE, PVDF, & Metal: 300°, (Peak 390°)				
Max Operating Pressure (psi) @ 70 deg. F			Plastic/Noryl: 375 psi	Metal/Metal: 2	Metal/Metal: 2000 psi	
Materials of Construction:						
Diaphragm		PTFE / EPDM, Optional: Viton, Hypalon, & PTFE / Viton				
Valve Top			Standard: Noryl (1/2" - 2") PVC (3" & 4") Optional: 316 SS L			
Valve Body			PVC, CPVC, PP, PTFE, PVDF, Halar, 316 SS L, A 20, Hast. C			

Performance Curves: (3" & 4" curves on request)



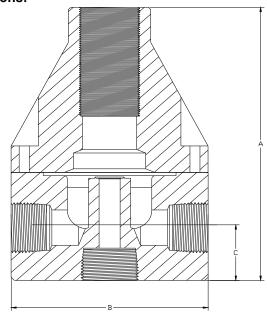
Product Codes For Ordering Pressure Relief Valves:

PRG				
PRG2 (2	port) 1	2	3	4
1 = Size 050 - 1/2" 075 - 3/4" 100 - 1" 155 - 1 1/2" 200 - 2" 300 - 3" 400 - 4"	2 = Material P - PVC CP - CPVC PP - Polypro T - PTFE K - PVDF H - Halar S - 316 SS A - Alloy 20 C - Hastelloy C	Blank - 1 - 0 - 5 2 - 10 -	250 psi 850 psi se option	4 = Options Blank - NPT Threaded V - Viton Diaphragm TV - PTFE/Viton Diaph. S - Socket Connection F - Flange Connection U - Union Connection OSS - 316 SS Top MSS - 50 - 350 psi AR - Priming Valve 90 - 90° Configuration

Note: For Optional 2-Port pressure relief valve put "2" after PRG Note: Option MSS only for use with 316SS, A20 & Hast C. valves Note: 1.5" and larger are 2 port only, there is no bottom port.

Email: sales@griffcovalve.com

Dimensions:



DIMENSIONS: PRG - Series							
All Materials (1.5" and larger are 2 port only, no bottom port)							
Size	A (in.)	B (in.)	C (in.)	Orifice (in.)			
1/2"	5.560	3.500	1.125	0.375			
3/4"	5.560	3.500	1.125	0.375			
1"	5.860	3.500	1.250	0.437			
1.5"	8.350	4.90	1.825	0.750			
2"	8.900	4.90	2.150	0.875			
3" *	11.25	15.0 *	3.0	1.500			
4" *	11.25	15.0 *	3.0	1.500			

* Note 3"&4" are flanged only

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