

Griffco Valve Inc.

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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".

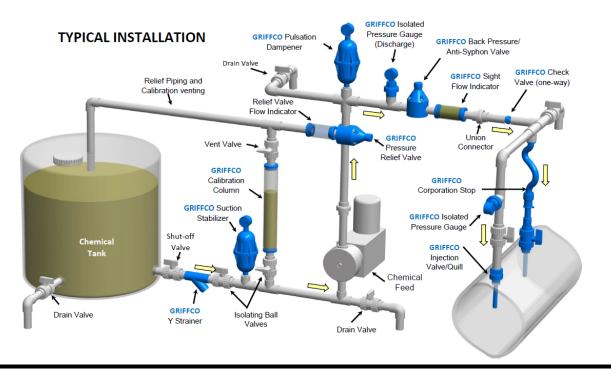
G - SERIES PRESSURE RELIEF VALVE

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:

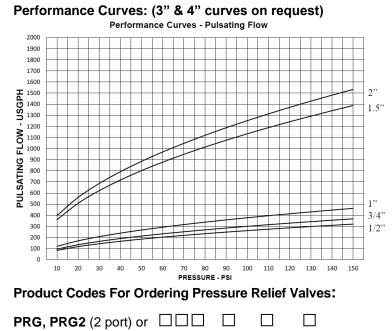
Griffco diaphragm pressure relief valves operate when the pressure in the chemical system exceeds the preset pressure of the valve. The diaphragm is held against the valve seat by an internal spring. When the preset pressure is exceeded the diaphragm is forced up and the chemical flows out the relief 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.



CALL 1 - 800 - GRIFFCO

Technical Data:

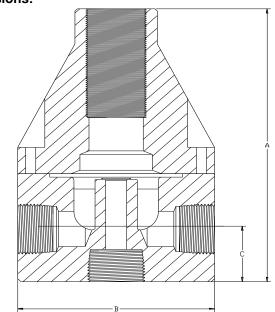
Model PRG Sizes: PRG, PRG2 (2 port) Connections: Pressure Adjustment			1/2", 3/4", 1", 1 1/2", 2", 3", 4" NPT, Socket, Union, & Flange Standard: 10 - 150 psi, Optional: 0 - 50 psi, 10 - 250 psi, 50 - 350 psi *Note: Size 1 1/2" and larger PRG valves 10 – 250 psi Max range ONLY. Shipping Weight: Ibs						
							Flow Rates @ 150 psi		
							Size	Pulsating	Continuous
1/2"	320 USgph	16.7 USgpm					3.0	5.5	6.5
3/4"	367 USgph	19.2 USgpm	3.0	5.5	7.0				
1"	462 USgph	24.2 USgpm	3.5	6.0	7.0				
1 1/2" (2 port	1388 USgph	72.7 USgpm	7.0	14.0	23.0				
2" only)	1533 USgph	80.3 USgpm	9.0	20.0	30.0				
3"	5157 USgph	270 USgpm	28.0						
4" ▼	5157 USgph	270 USgpm	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 Con	struction:								
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						



1	2	3	4	
1 1 = Size 050 - 1/2" 075 - 3/4" 100 - 1" 155 - 1 1/2" 200 - 2" 300 - 3" 400 - 4"	P - P CP - (PP - F T - P K - P H - Ha S - 31 A - AI	Iaterial VC CPVC Polypro IFE /DF alar 6 SS loy 20	4 3 = Spring Opt Blank - 10-150 psi 1 - 0 - 50 psi 2 - 10 - 250 psi For 50-350 psi spring use option code "MSS"	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
	C - Ha	astelloy C		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.

Dimensions:



DIMENSIONS: PRG - Series								
All Materials (See Note below for 4" PVC & CPVC)								
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. **Dim B on 4" PVC & CPVC is 17"