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G - SERIES PRESSURE RELIEF VALVE



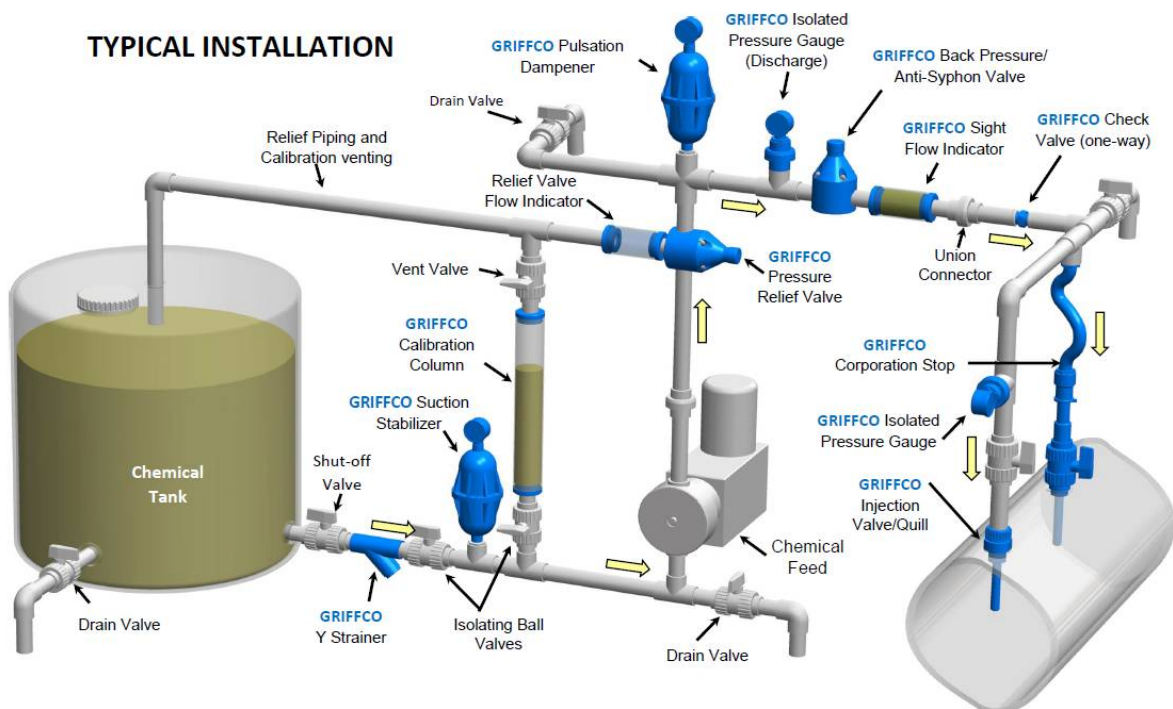
Griffco G-Series diaphragm pressure relief valves are designed to protect chemical feed systems from over pressure damage caused by defective equipment or a blockage in the chemical feed line. Robust construction ensures reliability in the rigorous service of municipal and industrial applications. Wetted 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:

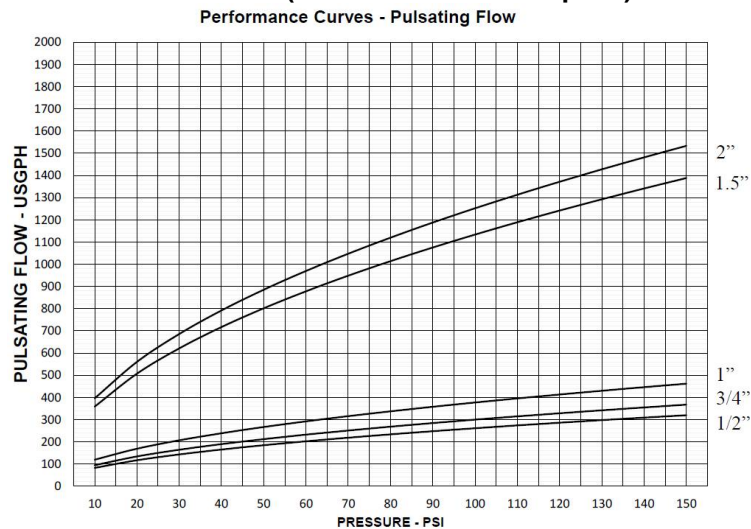
Griffco diaphragm pressure relief valves operate when the pressure in the chemical system exceeds the preset pressure of the valve. The diaphragm is held against the valve seat by an internal spring. When the preset pressure is exceeded the diaphragm is forced up and the chemical flows out the relief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



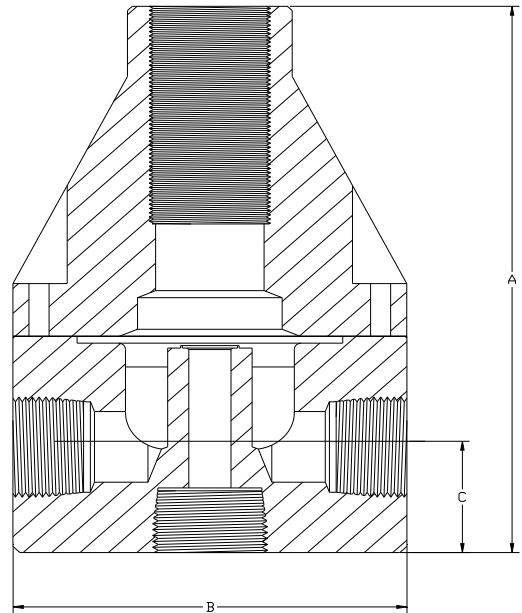
Technical Data:

Model PRG Sizes: PRG, PRG2 (2 port)			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 *Note: Size 1 1/2" and larger PRG valves 10 - 250 psi Max range ONLY.		
Flow Rates @ 150 psi			Shipping Weight: lbs		
Size	Pulsating	Continuous	Plastic	Metal / Plastic Top	Metal / Metal Top
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 only)	1388 USgph	72.7 USgpm	7.0	14.0	23.0
2"	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: 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)



Dimensions:



Product Codes For Ordering Pressure Relief Valves:

PRG, PRG2 (2 port) or

1 2 3 4

1 = Size 2 = Material 3 = Spring Opt 4 = Options

050 - 1/2"	P - PVC	Blank - 10-150 psi	Blank - NPT Threaded
075 - 3/4"	CP - CPVC	1 - 0 - 50 psi	V - Viton Diaphragm
100 - 1"	PP - Polypro	2 - 10 - 250 psi	TV - PTFE/Viton Diaph.
155 - 1 1/2"	T - PTFE		S - Socket Connection
200 - 2"	K - PVDF	<i>For 50-350 psi</i>	F - Flange Connection
300 - 3"	H - Halar	<i>spring use option</i>	U - Union Connection
400 - 4"	S - 316 SS	<i>code "MSS"</i>	OSS - 316 SS Top
	A - Alloy 20		MSS - 50 - 350 psi
	C - Hastelloy 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: 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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