Griffco Valve Inc.
6010 N. Bailey Ave. Suite. 1B
Amherst, NY 14226 USA
PH: 716 835-0891
FAX: 716 835-0893

G-SERIES
PTFE FLANGED VALVE

Griffco G-Series diaphragm back pressure valves are designed to enhance the performance of chemical feed systems by applying a continuous back pressure to the chemical feed pump, while also acting as an anti-syphon valve. Robust construction ensures reliability in the rigorous service of sulphuric acid for both municipal and industrial applications. Wetted materials are: **PTFE.** Available sizes: DN15 – DN25.

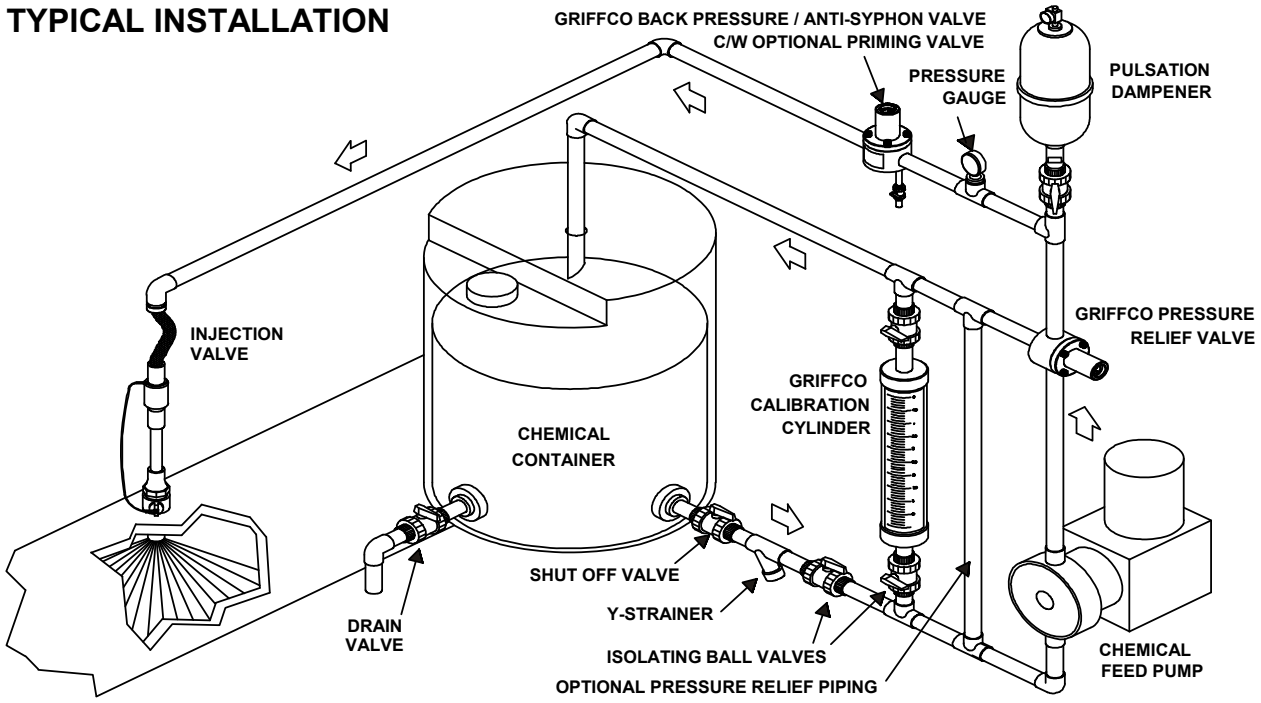
Features:

- **One Piece Machined Construction**
- **High Reliability / Low Cost**
- **Composite PTFE/EPDM Diaphragm**
- **Adjustable 1 - 10 Bar**
- **Optional PSI Rated Valves**
- **Anti-Syphon Function**
- **Bottom Support Disc**
- **Tamper Resistant Adjustment Screw**
- **Molded Noryl Top**

Operation:

Griffco diaphragm back pressure valves apply positive discharge pressure to a metering pump system to prevent siphoning and eliminate varying dosage rates caused by fluctuating downstream pressure. The diaphragm is held against the valve seat by an internal spring. When the preset pressure is exceeded, the diaphragm is forced up and chemical flows through the valve to the injection point. The valves are preset for 3.5 bar, however they are field adjustable from 1 – 10 bar via the adjustment screw. Installation should be as close to the injection point as possible to prevent chemical line drainage, and it is most important that all chemical system equipment such as pulsation dampeners and pressure gauges are between the pump and back pressure valve.

TYPICAL INSTALLATION

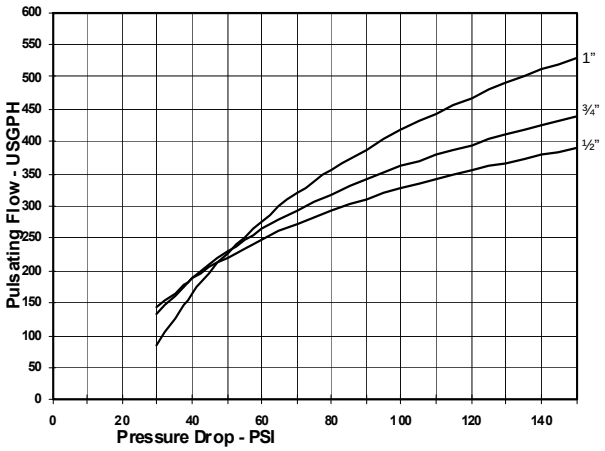


Bulletin # BPGTF1003M-2014

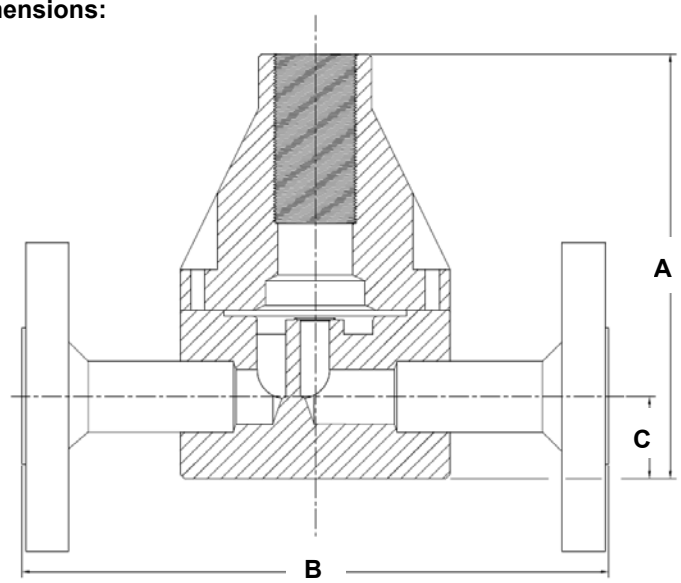
Technical Data:

Model BPG Sizes:			**DN 15, DN 20, DN 25**		
Connections:			**Flange**		
Pressure Adjustment			**Standard: 1 - 10 bar; Optional: 0 – 3.5 bar**		
Flow Rates @ 10 bar			**Shipping Weight: kgs**		
Size	**Pulsating**	**Continuous**	**Plastic**	**Metal / Plastic Top**	**Metal / Metal Top**
DN 15 **DN 20** **DN 25**	**1135 l/h** **1135 l/h** **1890 l/h**	**4770 l/h** **4770 l/h** **5905 l/h**	**1.4** **1.4** **1.6**	**N/A**	**N/A**
Max Temperature: (°C)			**148°C**		
Max Operating Pressure(psi) @ 20°C			**Plastic/Noryl: 25 bar**		
Materials of Construction:					
Diaphragm			**PTFE / EPDM, Optional: Viton, Hypalon, & PTFE / Viton**		
Valve Top			**Noryl, Optional: 316 SS**		
Valve Body			**PTFE**		

Performance Curves:



Dimensions:



Product Codes For Ordering Back Pressure Valves:

BPG ☐☐☐ ☐ ☐ ☐
1 2 3 4

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

1 = Size	2 = Material	3 = Spring Opt	4 = Options
D015 – DN15	T - PTFE	1 - 0 – 3.5 bar	V - Viton Diaphragm
D020 – DN20			F - Flange Connection
D025 – DN25			

Dimensions: BPG-Series			
All Materials			
Size	A (cm)	B (cm)	C (cm)
DN 15	14.12	18.87	2.867
DN 20	14.12	18.87	2.867
DN 25	14.12	18.87	2.867

Email: sales@griffcovalve.com **Website: www.griffcovalve.com**