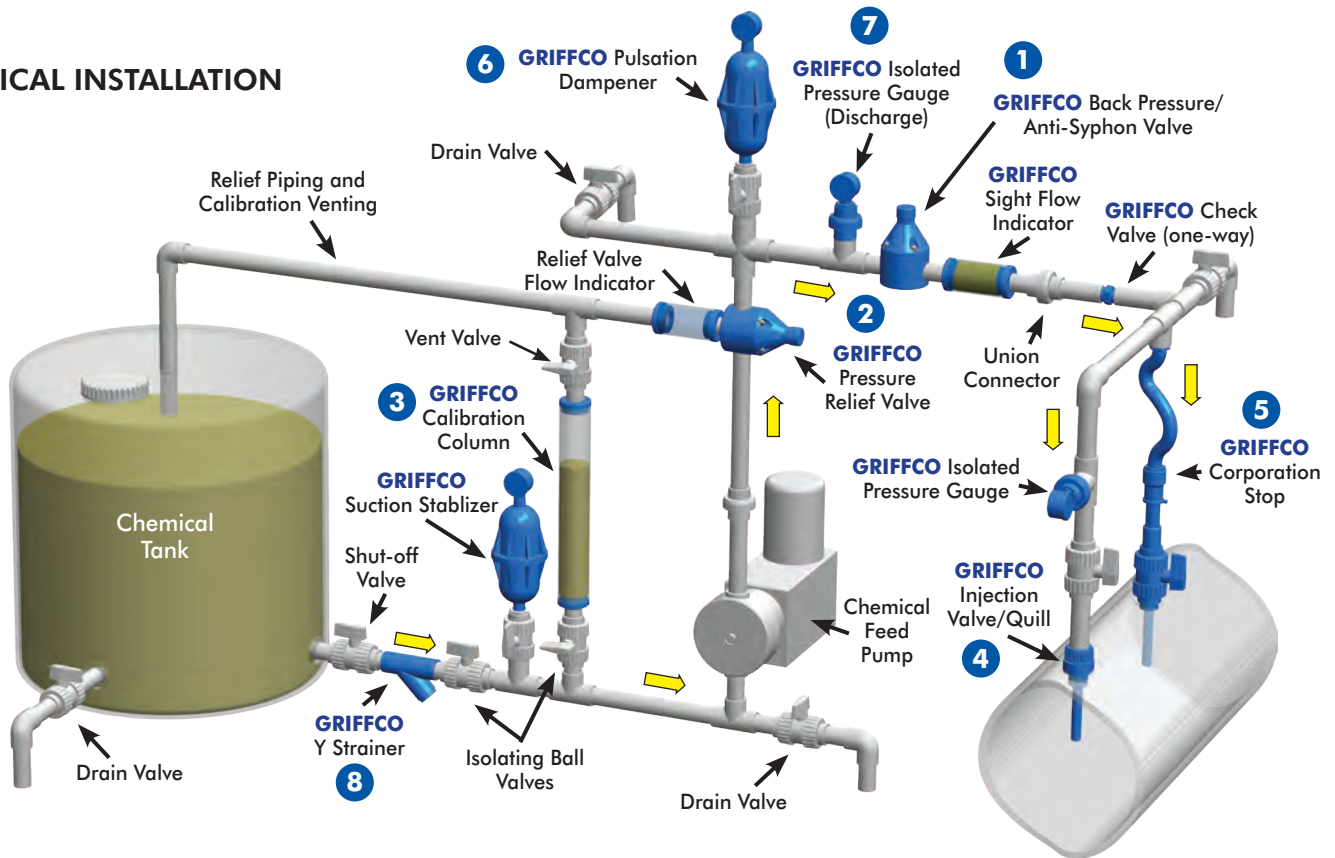




Your Source for High-quality Chemical Feed Accessories

TYPICAL INSTALLATION



1 Back Pressure Valves

Help stabilize the downstream pressure and ensure that certain types of pumps deliver consistent flows or allow for high accuracy and stable operation. Also known as loading valves or anti-syphon valves.



2 Pressure Relief Valves

Protect pumps, systems, or tanks from an upset condition (e.g. pressure spike, over pressurization, closed valve). Also known as safety valves or bypass valves.



3 Calibration Columns

Measure flow and help calibrate metering and dosing pumps to ensure a high level of accuracy. Also known as calibration cylinders or calibration pots.



4 Chemical Injection Valves

Enable passage of a liquid from a feed line into the center of a process line. Also known as injection quills.



5 Corporation Stops

Allow for the injector quill to be removed without turning off the process flow. Can be fitted with an optional poppet to help minimize chemical build-up and improve chemical dispersion.



6 Pulsation Dampeners

Reduce harmful shock waves and deliver continuous chemical dosage at the injection point. Also known as a suction stabilizer.



7 Gauge & Instrument Guards

Ensure optimal pressures are maintained in a chemical feed system and protect instruments against chemical attack. Also known as isolated pressure gauges.



8 Y-Strainers

Prevent debris from entering the pump and clogging the check valve or damaging the interior of the pump head.

For complete, current specifications, download datasheets from our website

Griffco Valve, Inc. • www.GriffcoValve.com

Comprehensive Line of Chemical Feed Accessories

Featuring robust, machined and molded fabrication, Griffco chemical feed accessories provide high reliability at a low cost. Typical materials of construction include, plastic: PP, PVC, CPVC, PVDF, PTFE, and Halar®; or metal: 316L Stainless Steel, Alloy 20, and Hastelloy C® (depending on product – please inquire).

3D CAD drawings can be downloaded from our website for Back Pressure & Pressure Relief Valves, Calibration Columns, Pulsation Dampeners, and Gauge & Isolation Guards. For convenience and accuracy, you can also use our online Pulsation Dampener Sizing Calculator.

Back Pressure and Pressure Relief Valves

- Flanged, Union, Threaded, and Socket connections
- Molded Noryl® top with integral hardware locking

- PTFE/EPDM diaphragm standard; other materials optional
- Adjustable to 350 psi (24 bar)
- High-pressure version (relief valves only) up to 2000 psi (138 bar)

Series	Sizes		Maximum Flow (Pulsating)		Maximum Flow (Continuous)		Maximum Pressure	
	Inch	Metric	GPH	LPH	GPM	LPM	PSI	BAR
M-Series	1/4" - 1/2"	DN 8 - DN 15	100 - 260	375 - 984	5 - 15	19 - 57	350	24
Unibody	1/2" - 1"	DN 15 - DN 25	260 - 500	984 - 1,890	15 - 26	57 - 98	250	17
G-Series	1/2" - 4"	DN 15 - DN 100	300 - 5,200	1,135 - 19,600	21 - 270	80 - 1,020	350*	24*
High-Flow	1/2" - 1"	DN 15 - DN 25	600 - 1,000	2,271 - 3,785	30 - 54	114 - 204	250	17
High-Pressure	1/4" - 1"	DN 8 - DN 25	700 - 1,200	2,650 - 4,542	35 - 60	132 - 227	2000	138

* 250 psi (17 bar) for 1-1/2" to 4" (DN 40 to DN 100) sizes

Calibration Columns

- PVC plastic in sizes from 100mL to 40,000mL
- Borosilicate glass in sizes from 30mL to 20,000mL
- High-contrast graduated markings in mL and GPH

- Threaded standard; Socket, Flanged, Union, and Flanged with ball valve connections optional
- Plastic and metal end cap materials and dust cover, sealed, and EZ-Clean configurations

Chemical Injection Valves and Quills

- Features integral Hastelloy® C spring-loaded check valve
- Multiple tip configurations and custom quill lengths available
- Serviceable (ICV) models offer pressures up to 350 psi (24 bar)

- metal with 1/2" to 2" (DN 15 to DN 50) MNPT or male BSPT Threaded; and 1/2" to 2" Socket (plastic) connections
- High-pressure (IVQ) models offer pressures up to 3000 psi (207 bar) metal with 1/2", 3/4" and 1" MNPT or male BSPT Threaded connections

Corporation Stops

- Features integral Hastelloy C spring-loaded check valve
- Optional poppet also acts like a check valve to minimize chemical build-up and improve chemical dispersion
- Metal and plastic ball valve materials (please inquire)

- Variable length quill chain (316 SS) lock
- Tip configurations flat or bevel cut
- Sizes from 1/2" to 1" (DN 15 to DN 25) in plastic (Union socket) and metal (male threads) and pressures up to 150 psi (10 bar)

Pulsation Dampeners

- Nine volumetric sizes available from 6 to 125 cubic inches
- Dampening effect $\pm 2.5\%$
- Available in Noryl, PP, PVDF and 316 SS construction
- Bladder in EPDM (standard); Viton® or Hapalon® (optional)

- Maximum operating pressure @70°F (21°C) 150 psi (10 bar) with peak of 250 psi (17 bar) for plastic models; 250 psi (17 bar) with peak of 350 psi (24 bar) for metallic models
- Sizes of 1/2", 3/4", and 1" (DN 15, DN 20 and DN 25) with NPT, BPST, Union, or Flange process connections

Gauge and Instrument Guards

- Gauge accuracy of $\pm 2\%$ (can be ordered with or without gauge)
- Features molded Noryl top, 316 SS gauge connection, and Viton O-ring material
- Will perform in any position and includes calibration screw for zeroing

- Sizes of 1/4", 3/8", 1/2" (DN 8, DN 10, DN 15) in NPT, BPST, Socket, Union, or Flange process connections
- Gauge port sizes of 1/4" (DN 8) standard; 1/8", 1/2" (DN 6, DN 15) optional

Y-Strainers

- Horizontal or vertical installation with 2:1 open area ratio and hex cap for easy access
- Choice of construction materials includes PVC, clear PVC, and CPVC
- Standard screen perforation 1/32" (plastic or metal); 1/16", 1/8", 3/16" also available

- Metal mesh sizes from 20 to 325
- Maximum operating pressure @70°F (21°C) 150 psi (10 bar)
- NPT, BSPT, and Socket connections standard; True Union, Flanged, and European connections optional



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