



Griffco Valve Inc.
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HIGH PRESSURE INJECTION VALVE



Features:

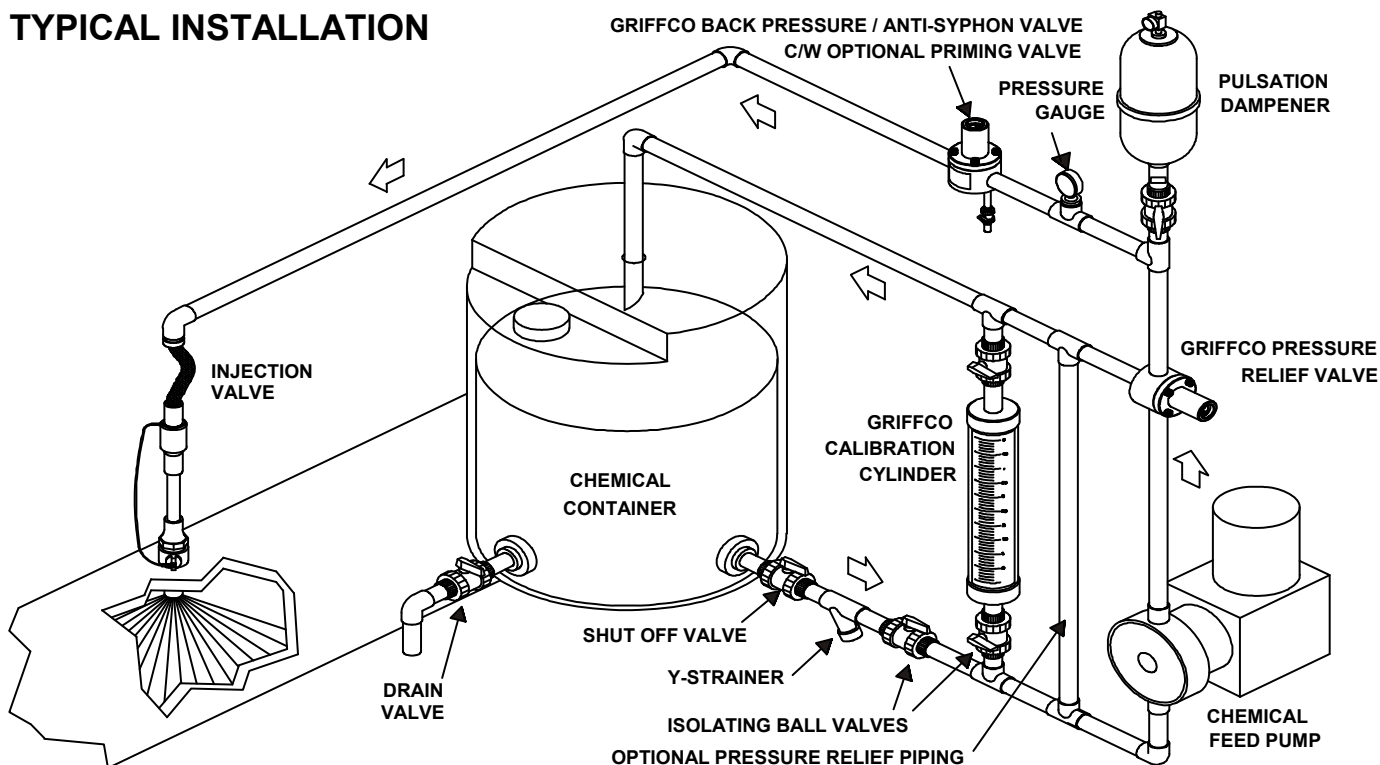
- High Reliability / Low Cost
- Robust, Machined Construction
- Dual Threaded Connection
- Hastelloy C Spring
- Simplified Design
- Integrated Quill
- High Pressure Metal Configurations
- 3 Material Options

Griffco High Pressure injection check valves feature simplified, rugged design to ensure chemical feed systems inject into the center of a process stream for better mixing and to prevent corrosion along the process pipe. The check valve prevents the process fluid from going back up the chemical line. Robust construction ensures reliability in the rigorous service of municipal and industrial applications. Materials of construction include 316SS, Alloy 20 and Hastelloy C. They are available in 1/2", 3/4", and 1" sizes.

Operation:

Griffco injection valves are threaded into a process pipe or tank to deliver chemical to a desired application point. The integrated quill keeps the chemical off the wall of the tank or pipe and will ensure better mixing of the chemical with the process fluid. This is enhanced by the 45° angle at the quill tip. The ball check in the valve functions as a positive shut-off to ensure the process fluid does not go back up the chemical line.

TYPICAL INSTALLATION



Technical Data:

Model :	IVQ - Injection Quill (non-serviceable check valve)
Size:	1/2", 3/4", and 1"
Connections:	1/2", 3/4", and 1" NPT Double Thread (Male)
Maximum Temperature:	400°F (204°C)
Maximum Operating Pressure:	3500 psi (241 bar)
Valve Opening Pressure:	10 psi (0.7 Bar)
Materials of Construction:	
Valve Ball:	316SS, Alloy 20, or Hastelloy C
Spring	Hastelloy C
Valve Body	316SS, Alloy 20, or Hastelloy C

Dimensions:

Size	A	B	C
1/2"	6.5"	4" *	0.540"
3/4"	7.1"	4" *	0.675"
1"	8.9"	5" *	0.840"

* Standard length

Product Codes for Ordering:

IVQ □ □ □ □ □ □
 1 2 3 4

1 = Size

050 - 1/2"
075 - 3/4"
100 - 1"

2 = Material

S - 316 SS
A - Alloy 20
C - Hastelloy C

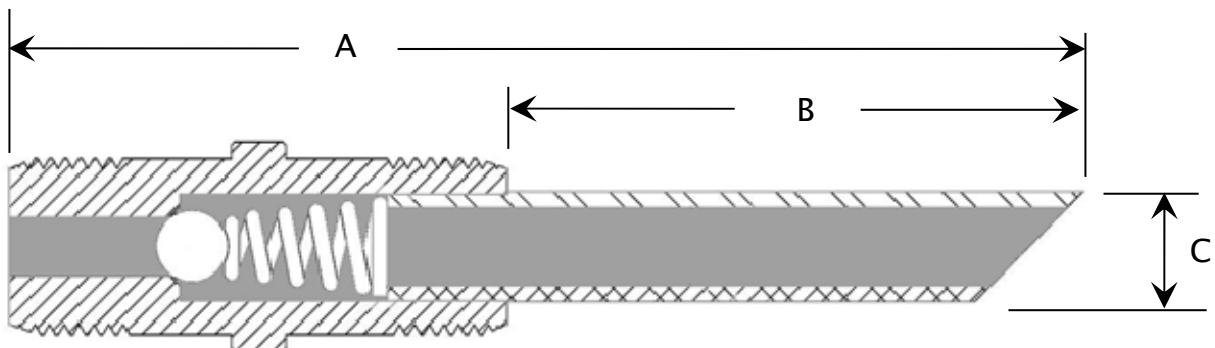
3 = Quill Length

Blank - 4" (3/4" & less std)
Blank - 5" (1" & greater std)

4 = Options

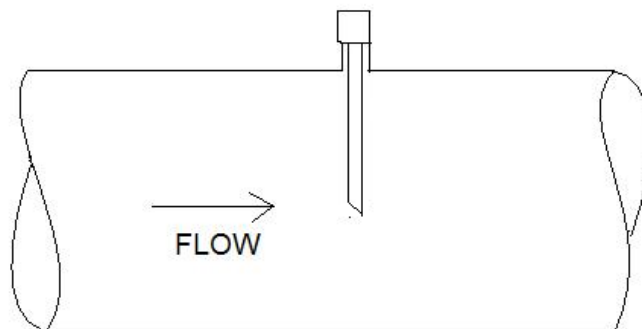
Blank - 45° Tip (std)

(Others by request)



Face Orientation:

The injection quill releases the chemical by the 45° angle at the quill tip. The bevel surface faces the flow to promote instant mixing of the chemical into the process fluid, except in cases where the possibility of clogging exists.



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