



chemfeed

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INJECTION VALVES IVQ (Threaded)



Features:

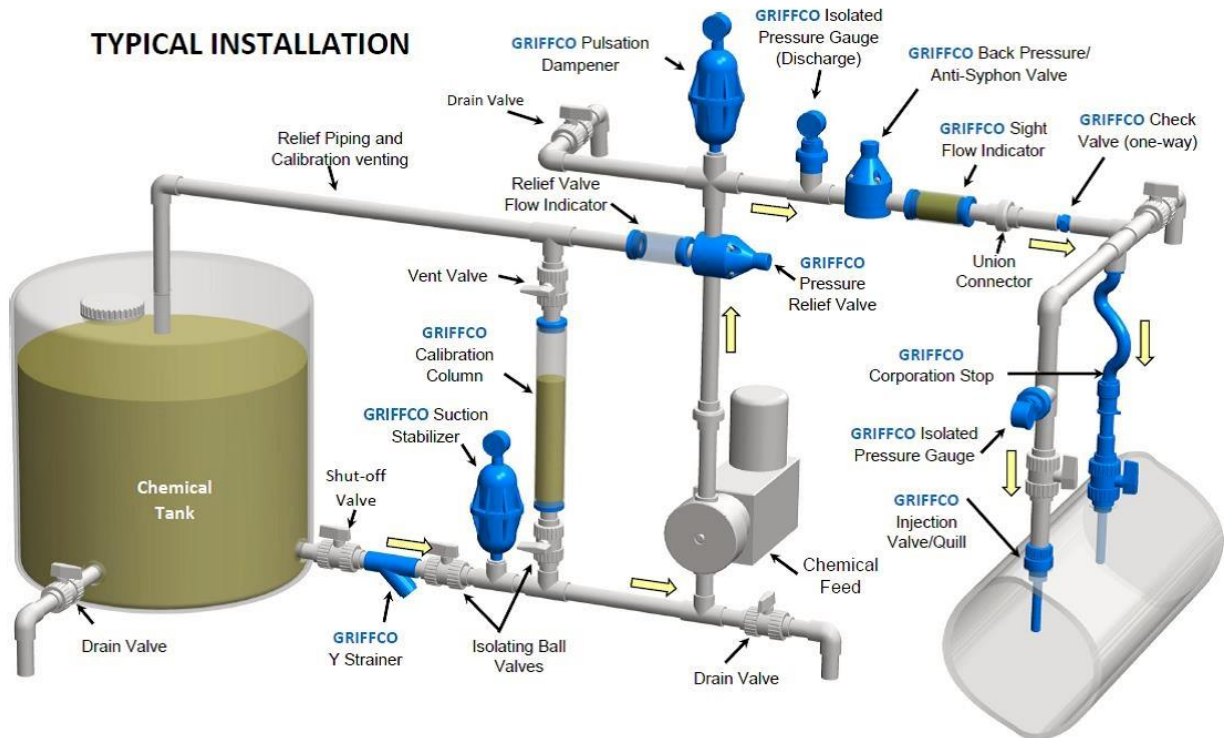
- High Reliability / Low Cost
- Robust, Machined Construction
- Dual Threaded Connection
- Hastelloy C Spring
- Simplified Design
- Integrated Quill
- High Pressure Metal Configurations
- 6 Material Options

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.

Griffco 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 PVC, CPVC, PVDF, 316SS, Alloy 20 and Hastelloy C. They are available in 1/2", 3/4", and 1" sizes.

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:	PVC 60°C, CPVC & PVDF 90°C Metal 200°C
Maximum Operating Pressure:	Plastic: 10 bar Metal: 240 bar
Valve Opening Pressure:	0.7 Bar
Materials of Construction:	
Valve Ball:	Plastic: PTFE Metal: 316SS or Hastelloy C
Spring	Hastelloy C
Valve Body	PVC, CPVC, PVDF, 316SS, Alloy 20, or Hastelloy C

Dimensions:

Size	A	B	C
1/2"	140mm	76 mm*	14mm
3/4"	155 mm	76 mm*	17mm
1"	200 mm	102 mm*	21mm

* Standard length

Product Codes for Ordering:

IVQ □ □ □ □ □ □ □
 1 2 3 4

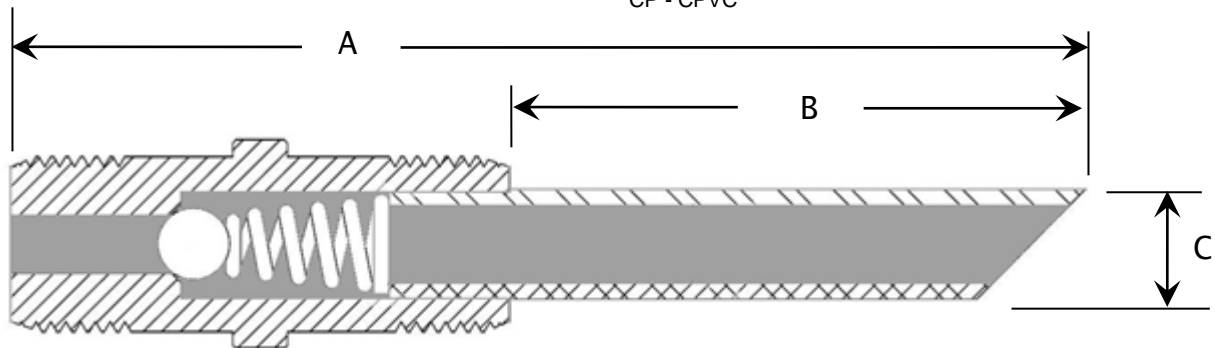
1 = Size
050 - 1/2"
075 - 3/4"
100 - 1"

2 = Material
S - 316 SS
A - Alloy 20
C - Hastelloy C
P - PVC
K - PVDF
CP - CPVC

3 = Quill Length
Blank - 3" (1/2" & 3/4")
Blank - 4" (1")

(Others by request)

4 = Options
Blank - 45° Tip (std)



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.

