Griffco injection check valves are designed 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, 316 SS, Alloy 20 and Hastelloy C. They are available in sizes 1/2", 3/4", 1", 1.5", and 2".

**Features:**
- High Reliability / Low Cost
- Robust, Machined Construction
- Comes Complete with Union
- Hastelloy C Spring
- Multiple Tip options
- Optional Chemical Line Drain
- Integrated Quill
- Wide Range of Materials

**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. 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. The union facilitates an easy connection between the valve and the chemical line.

**Sectional Drawing:**

ISO 9001:2008 Certified
Technical Data:

Sizes: Model ICV

1/2", 3/4", 1", 1.5", and 2"

Connections:

Union – Threaded (Metal & Plastic) or Socket (Plastic Only)

Maximum Temperature: (°F)

Plastic: 140°; Metal: 300°

Maximum Operating Pressure

Plastic: 250 psi; Metal: 350 psi

Materials of Construction:

Valve Ball / Spring

PTFE Ball / Hastelloy C Spring

O Ring

Standard: FKM (Viton®) Optional: EPDM

Union Nut

Standard: PVC for plastic valves. 316 SS for metal valves Optional: Others on Request

Valve Body

PVC, CPVC, PP, PVDF, 316 SS, A 20, Hast. C, Others on Request

Optional Injection Tip

Contact Factory for details

Dimensions:

<table>
<thead>
<tr>
<th>Sizes</th>
<th>A - Threaded (Metal &amp; Plastic)</th>
<th>A - Socket (Plastic Only)</th>
<th>B * (Std)</th>
<th>C</th>
<th>Connections (D)</th>
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<tr>
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<td>8.75&quot;</td>
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<td>1.5&quot;</td>
<td>13.25&quot;</td>
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*Standard length, optional lengths available up to 24”

Tip Configurations:

Flat (std) Beveled

Note: standard configuration is:

- Flat tip
- Viton o-rings
- Male NPT threads

Product Codes for Ordering:

ICV □□□□□□□

1 = Size
050 - 1/2"
075 - 3/4"
100 - 1"
150 - 1.5"
200 - 2"

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

3 = Quill Length
Blank - 4” (std ½”-1")
Blank - 6” (std 1.5”-2")
( Others by request)

4 = Options
Blank – Viton & Flat tip
E – EPDM
B – BSPT threads
S – Socket Connection (Plastic only)
SD - Metric socket (Plastic only)
TC – PTFE Coated Hast. C Spring
L - Beveled/angled
Z - Female Threaded Connection

Quill Length

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Website: www.griffcovalve.com E-mail: sales@griffcovalve.com