



Beyond flow.

Check Valves **Technical Specifications**

**No. 400: Stainless Steel Poppet**



**DESCRIPTION/FEATURES**

Strataflo 400 Series check valves with metal poppets are ruggedly constructed and are suitable for use in a wide variety of heavy industrial applications. The proprietary stainless steel poppets are finely machined for a metal-to-metal seal. Each valve is tested twice for casting integrity and backflow prevention. All valves are 100% American-Made and built to last.

**APPLICATIONS**

Used as all purpose check valve for multiple applications, including hot water, cold water, steam, oil, gas, compounds and chemicals. Steam 125 lbs.

**FLOW RATE (Cv)**

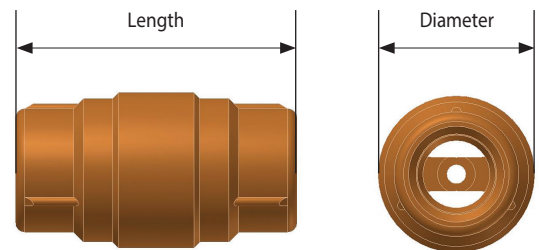
| SIZE | 3/8" | 1/2" | 3/4" | 1" | 1-1/4" | 1-1/2" | 2" | 2-1/2" | *3" | **3" |
|------|------|------|------|----|--------|--------|----|--------|-----|------|
| GPM  | 2    | 3    | 6    | 10 | 20     | 39     | 64 | 77     | 191 | 77   |

*C<sub>v</sub> is flow (GPM) with a 1 psi differential pressure.*

**MATERIAL SPECIFICATIONS**

| Part Name         | Material             |
|-------------------|----------------------|
| Body              | Cast Bronze C84400   |
| Stem              | 303 Stainless Steel  |
| Poppet            | 303 Stainless Steel* |
| Spring            | 302 Stainless Steel  |
| Cup Washer        | 304 Stainless Steel  |
| Locknut           | 316 Stainless Steel  |
| Country of Origin | Made in the USA      |

\* 1-1/4" – 3" sizes contain a 304 stainless steel poppet



**OPERATING SPECIFICATIONS**

|                            |                  |
|----------------------------|------------------|
| Maximum Temperature        | 350°F            |
| Working Pressure           | 400 psi          |
| Cracking Pressure          | 1-2 lbs          |
| Optional Cracking Pressure | 1/2, 5 or 10 lbs |

**DIMENSIONS**

| PIPE SIZE | 400 SERIES PART NO. | OVER-ALL LENGTH | VALVE DIAMETER | VALVE WEIGHT |
|-----------|---------------------|-----------------|----------------|--------------|
| 3/8"      | 400-038             | 2.63"           | 1.16"          | 0.50 lb      |
| 1/2"      | 400-050             | 2.69"           | 1.40"          | 0.65 lb      |
| 3/4"      | 400-075             | 3.31"           | 1.62"          | 0.90 lb      |
| 1"        | 400-100             | 3.69"           | 2.00"          | 1.25 lb      |
| 1-1/4"    | 400-125             | 4.57"           | 2.41"          | 2.00 lb      |
| 1-1/2"    | 400-150             | 4.88"           | 2.69"          | 2.35 lb      |
| 2"        | 400-200             | 5.56"           | 3.34"          | 3.80 lb      |
| 2-1/2"    | 400-250             | 6.79"           | 3.81"          | 7.40 lb      |
| *3"       | 400-300-F           | 7.40"           | 4.71"          | 11.70 lb     |
| **3"      | 400-300             | 6.79"           | 3.81"          | 6.60 lb      |

NPT threaded. \*New valve: Standard female thread on both ends, C<sub>v</sub> factor of 191. \*\* Original valve: 2-1/2" valve body with 3" male thread on both ends, C<sub>v</sub> factor of 77.

Strataflo ISO 90001: 2008 Certified

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