

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)

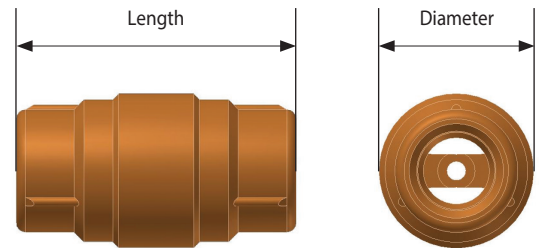
| SIZE | 3/8" | 1/2" | 3/4" | 1" | 1-1/4" | 1-1/2" | 2" | 2-1/2" | *3" | **3" |
|------|------|------|------|----|--------|--------|----|--------|-----|------|
| GPM | 2 | 3 | 6 | 10 | 20 | 39 | 64 | 77 | 191 | 77 |

C_v 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_v factor of 191. ** Original valve: 2-1/2" valve body with 3" male thread on both ends, C_v factor of 77.