

## FIG. 400G

### Grooved-End Silent Check Valve

Available in Sizes 2" thru 10"

The 400G is a center guided, spring loaded, silent check valve. Designed and engineered for silent operation with low head loss, the valve disc will close prior to the reversal of flow, thereby preventing or minimizing water hammer and damaging shock.

- The 400G can be used in any HVAC, industrial or commercial grooved piping systems.
- The valve is designed for liquid service with any pipe orientation, flow up or down.
- Bronze metal seats are standard, with Stainless Steel or resilient seats available as an option.
- Flow coefficients for this valve are some of the lowest in the industry and are listed for each size on the drawing.

**NOTE:** Valve is designed for liquid service only. Install 3 to 4 pipe diameters downstream from pump discharge or elbows to avoid flow turbulence.



**FIGURE 400G GROOVED-END SILENT CHECK VALVE**

Valve Size	O.D.	Model	A	B	Cv Flow *	Approx. Wt. Each
In./mm	In./mm	Number	In./mm	In./mm		Lbs./Kg
2	2.375	402G	6	6	66	12
50	60.3		152	152	1,676	5.4
2½	2.875	4025G	6¼	7	88	15
65	73.0		159	178	2,235	6.8
3	3.500	403G	6⅞	7½	130	20
80	88.9		164	191	3,302	9.1
4	4.500	404G	8⅞	9	228	36
100	114.3		206	229	5,791	16.3
5	5.563	405G	11¼	10	350	50
125	141.3		286	254	8,890	22.7
6	6.625	406G	12¼	11	520	68
150	168.3		311	279	13,208	30.8
8	8.625	408G	13¾	13½	900	140
200	219.1		349	343	22,860	63.5
10	10.750	410G	16	16	1,450	198
250	273.1		406	406	36,830	89.8

\* Flow coefficient is the number of U.S. gallons/minute of 60° F (16° C) water that will flow through a valve with 1 psi (0.069 bar) of pressure drop across the valve.

MAX. NON-SHOCK WORKING PSI 125# ANSI B16.1 FLANGE RATING		
Size	Temperature	
2" - 10"	150°F 65°C	200°F 90°C
	200 PSI 13.8 bar	190 PSI 13.1 bar

### MATERIAL SPECIFICATIONS

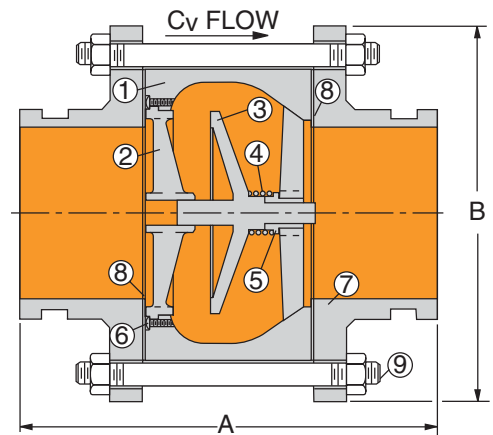
**STANDARD MATERIALS:**

Cast Iron body ASTM A 48, Class 35  
Bronze Disc and Seat ASTM B 584 Alloy 838  
Ductile Iron Grooved-Ends ASTM A 395

**OPTIONAL TRIM MATERIALS:**

Bronze with Nitrile seats  
Stainless Steel seats  
Stainless with Nitrile seats

1. BODY: Cast Iron ASTM A 48, Class 35
2. SEAT: Bronze ASTM B 584, Copper Alloy 838
3. PLUG: Bronze ASTM B 584, Copper Alloy 838
4. SPRING: Stainless Steel T304, ASTM A 313
5. BUSHING: Bronze ASTM B 584, Copper Alloy 838
6. SCREWS: Stainless Steel T304, ASTM A 276
7. GROOVED-END: Ductile Iron ASTM A 395
8. GASKET: Non Asbestos  
For gasket grade recommendations see the Technical Data section
9. BOLTS: Carbon Steel  
Other materials and resilient seats are available... contact your Sales representative.



PROJECT INFORMATION		APPROVAL STAMP	
Project:		<input type="checkbox"/> Approved	
Address:		<input type="checkbox"/> Approved as noted	
Contractor:		<input type="checkbox"/> Not approved	
Engineer:		Remarks:	
Submittal Date:			
Notes 1:			
Notes 2:			