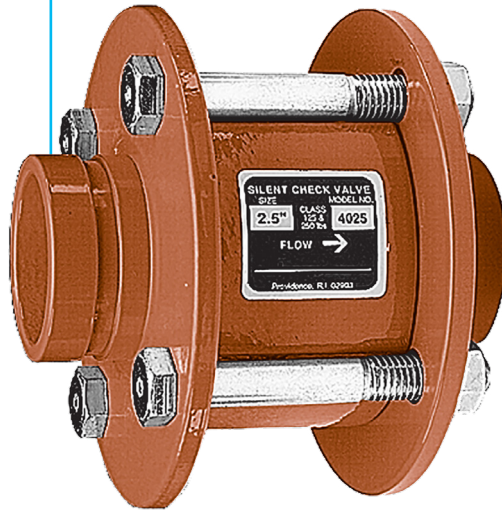


Grooved-End Silent Check Valve Fig. 400G

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.

Material Specifications

Standard Materials

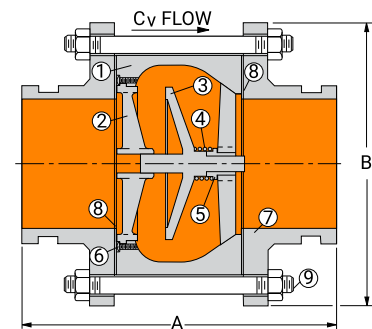
Cast Iron body ASTM A 48, Class 35
Bronze Disc and Seat ASTM B 584 Alloy 838
Ductile Iron Grooved-Ends ASTM A 395

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 836
- 6. Screws:** Stainless Steel T304, ASTM A 276
- 7. Grooved-End:** Ductile Iron ASTM A 395
- 8. Gasket:** Non Asbestos
- 9. Bolts:** Carbon Steel

Other materials and resilient seats are available. contact your Sales representative.



PROJECT INFORMATION	APPROVAL STAMP
Project:	Approved
Address:	Approved as noted
Contractor:	Not approved
Engineer:	Remarks:
Submittal Date:	
Notes 1:	
Notes 2:	

Grooved-End Silent Check Valve Fig. 400G

Available in Sizes 2" thru 10"

Fig. 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 50	2.375 60.3	402G	6 152	6 152	66 1,676	12 5.4
2½ 65	2.875 73.0	4025G	6¼ 159	7 178	88 2,235	15 6.8
3 80	3.500 88.9	403G	6⅞ 164	7½ 191	130 3,302	20 9.1
4 100	4.500 114.3	404G	8⅞ 206	9 229	228 5,791	36 16.3
5 125	5.563 141.3	405G	11¼ 286	10 254	350 8,890	50 22.7
6 150	6.625 168.3	406G	12¼ 311	11 279	520 13,208	68 30.8
8 200	8.625 219.1	408G	13¾ 349	13½ 343	900 22,860	140 63.5
10 250	10.75 273.1	410G	16 406	16 406	1,450 36,830	198 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	200°F
	65°C	90°C
	200 PSI	190 PSI
	13.8 bar	13.1 bar



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