

1-800-GRAINGER (472-4643)

## Carbon Steel Piston Spring-Loaded Check Valves

- Max. temp.: 850°F
- Max. pressure: 1975 psi CWP

Class 800 valves feature a bolted cap and are intended for higher-pressure applications. Carbon steel body and bonnet, with 304 stainless steel spring. Vertical or horizontal mount. Ideal for use with pumps and in metering, blending, and steam trap applications. Meet ASTM A105, NACE MR-0175, API 598, and API 602.



1PPL2

Size	Cracking Pressure	L	FNPT Item No.	Socket Item No.
1/2"	8 psi	3 1/8 in	1PPL2	1PPL8
3/4"	8 psi	3 1/2 in	1PPL3	1PPL9
1"	10 psi	4 3/8 in	1PPL4	1PPL1
1 1/4"	24 psi	4 23/32 in	1PPL5	1PPL2
1 1/2"	24 psi	6 in	1PPL6	1PPL3
2"	43 psi	6 23/32 in	1PPL7	1PPL4

**BONOMI**  
NORTH AMERICA, INC.

## Brass and Lead-Free Brass Check Valves

- Temp. range: 10° to 210°F, except 45RF38 to 45RF43 are 10° to 270°F
- Max pressure: 400 psi CWP, except 45RF51 to 45RF53 are 175 psi CWP
- Cracking pressure: 0.5 psi

Feature a soft seat for a bubble tight shutoff and spring loaded for fast seating action. Valves have a flow pattern to minimize head loss and an innovative disc design to help prevent side loading.



45RF27

Size	Connec. Type	Brass		Lead-Free Brass	
		L	Item No.	L	Item No.
1/2"	NPT	—	—	1 1/4 in	45RF27
3/8"	NPT	1 1/4 in	45RF44	1 1/4 in	45RF28
1/2"	NPT	2 1/4 in	45RF45	2 1/4 in	45RF29
1/2"	Sweat	—	—	2 3/4 in	45RF38
3/4"	NPT	2 1/2 in	45RF46	2 1/2 in	45RF30
3/4"	Sweat	—	—	3 in	45RF39
1"	NPT	2 5/8 in	45RF47	2 5/8 in	45RF31
1"	Sweat	—	—	3 1/2 in	45RF40
1 1/4"	NPT	3 3/8 in	45RF48	3 3/8 in	45RF32
1 1/4"	Sweat	—	—	4 in	45RF41
1 1/2"	NPT	3 3/8 in	45RF49	3 3/8 in	45RF33
1 1/2"	Sweat	—	—	4 1/2 in	45RF42
2"	NPT	3 3/8 in	45RF50	3 3/8 in	45RF34
2"	Sweat	—	—	4 3/8 in	45RF43
2 1/2"	NPT	4 3/8 in	45RF51	4 3/8 in	45RF35
3"	NPT	4 7/8 in	45RF52	4 7/8 in	45RF36
4"	NPT	5 27/64 in	45RF53	5 27/64 in	45RF37



Glass-Filled Polypropylene 4DJC4

## Plastic Check Valves

- Max. pressure: 125 psi
- Max. temp. 140°F

Feature good chemical resistance and have stainless steel ball and spring. Mount vertical or horizontal. Glass-filled polypropylene valves require 0.33 psi cracking pressure. Gray PVC, polypropylene, and white nylon require 1 psi cracking pressure.

Size	Connec. Type	L	Buna Seal Item No.	Viton Seal Item No.
<b>Glass-Filled Polypropylene Seat</b>				
1/4"	FNPT	1 in	4DJC4	4DJC5
3/8"	FNPT	2 in	4DJC6	4DJC7
1/2"	FNPT	2 1/2 in	4DJC8	4DJC9
3/4"	FNPT	2 1/2 in	4DJD1	4DJD2
<b>Gray PVC Seat</b>				
1/8"	FNPT	2 23/32 in	4DHZ2	4DHZ3
1/4"	Barb	3 1/2 in	4DJA3	4DJA4
1/4"	FNPT	2 23/32 in	4DJA1	4DJA2
1/4"	FPT x MPT	2 23/32 in	4DHZ8	—
1/2"	MNPT	2 23/32 in	4DHZ4	4DHZ5
1/2"	MNPT x FNPT	2 23/32 in	4DHZ6	4DHZ7
1/4"	Push	3 1/8 in	4DJA8	4DJC1
3/8"	Barb	3 1/2 in	4DJA5	4DJA6
3/8"	Push	3 1/8 in	4DJC2	4DJC3
1/2"	Barb	3 1/2 in	4DJA7	4DJA8
<b>Polypropylene Seat</b>				
1/8"	Barb	1 3/8 in	4DHX8	4DHX9
3/16"	Barb	1 23/32 in	4DHY1	4DHY2
1/4"	Barb	2 in	4DHY3	4DHY4
<b>White Nylon Seat</b>				
1/8"	Barb	1 3/8 in	—	4DHY6
1/8"	Barb	2 in	4DHY5	—
3/16"	Barb	1 23/32 in	4DHY7	4DHY8
1/4"	Barb	2 in	4DHY9	4DHY1

PVC 5AAT4



Polypropylene 5AAX6

+GF+

**HAYWARD**

## PVC, CPVC, and Polypropylene Ball Check Valves

- Max. pressure: 150 psi, except 33Z876 to 33Z886 are 240 psi
- Max. temp.: 140°F PVC; 190°F CPVC, except 33Z882 to 33Z886 are 210°F; 150°F polypropylene

True union design allows for easy removal. Vertical mount, except 33Z876 to 33Z886 are vertical or horizontal mount. Meet NSF 61, except 33Z876 to 33Z886.

Size	L	PVC Item No.	CPVC Item No.
<b>Hayward, Flanged, Viton Seats and Seals</b>			
1"	7 3/4 in	—	5AAU7
3"	11 1/4 in	—	5AAV1
3"	14 3/8 in	5AAR3	5AAV6
4"	17 in	5AAR6	5AAV9
6"	19 3/8 in	5AAR7	5AAW0
<b>Hayward, FNPT, EPDM Seats and Seals</b>			
2 1/2"	10 1/16 in	5AAT6	5AAW8
3"	10 1/2 in	5AAT8	5AAX0
4"	13 in	5AAU1	5AAX3
<b>Hayward, FNPT, Viton Seats and Seals</b>			
1/4"	3 3/8 in	5AAP1	—
3/8"	3 3/8 in	5AAP2	—
2 1/2"	10 1/16 in	5AAR0	5AAV3
3"	10 1/2 in	5AAR2	5AAV5
4"	13 in	5AAR5	5AAV8
<b>Hayward, SKT, EPDM Seats and Seals</b>			
2 1/2"	10 1/16 in	5AAT5	5AAW7
3"	10 1/2 in	5AAT7	5AAW9
4"	13 in	5AAU0	5AAX2

Size	L	PVC Item No.	CPVC Item No.
<b>Hayward, SKT, Viton Seats and Seals</b>			
2 1/2"	10 1/16 in	5AAP9	5AAV2
3"	10 1/2 in	5AAR1	5AAV4
4"	13 in	5AAR4	5AAV7
<b>Hayward, SKT/FNPT, EPDM Seats and Seals</b>			
1/2"	4 3/8 in	5AAR8	5AAW1
3/4"	4 3/4 in	5AAR9	5AAW2
1"	5 1/4 in	5AAT0	5AAW3
1 1/4"	6 3/32 in	5AAT1	5AAW4
1 1/2"	6 3/4 in	5AAT3	5AAW5
2"	8 in	5AAT4	5AAW6
<b>Hayward, SKT/FNPT, Viton Seats and Seals</b>			
1/2"	4 3/8 in	5AAP3	5AAU4
3/4"	4 3/4 in	5AAP4	5AAU5
1"	5 1/4 in	5AAP5	5AAU6
1 1/4"	6 3/32 in	5AAP6	5AAU8
1 1/2"	6 3/4 in	5AAP7	5AAU9
2"	8 in	5AAP8	5AAV0

Size	L	PVC Item No.	CPVC and EPDM Item No.	CPVC Item No.
<b>Georg Fisher, Socket/Threaded, EPDM Seats and Seals</b>				
3/8"	4 3/8 in	33Z876	33Z882	—
1/2"	4 3/8 in	33Z877	33Z883	—
3/4"	4 9/64 in	33Z878	33Z884	—
1"	5 1/8 in	33Z879	33Z885	—
1 1/2"	6 3/32 in	33Z880	—	—
2"	7 1/8 in	33Z881	33Z886	—
<b>Hayward, Flanged, EPDM Seats and Seals</b>				
3"	14 3/8 in	5AAT9	—	5AAX1
4"	17 in	5AAU2	—	5AAX4
6"	19 3/8 in	5AAU3	—	5AAX5
<b>Polypropylene Item No.</b>				
<b>Hayward, FNPT, Viton Seats and Seals</b>				
1/2"	4 3/8 in	—	5AAX6	—
3/4"	4 3/4 in	—	5AAX7	—
1"	5 1/4 in	—	5AAX8	—
1 1/2"	6 3/4 in	—	5AAX9	—
2"	8 in	—	5AAV0	—



Mueller Steam Specialty™

Triple-Duty 1RXE3



## Heavy-Duty Check Valves

- Max. pressure: 200 psi

### TRIPLE-DUTY

- Max. temp.: 212°F

With spring-loaded silent check valve, balancing valve, and shut-off valve. Center-guided Buna N seal disc ensures leak-free performance. For pump protection and HVAC chilled water installations. Meet ASME B16.1.

### SILENT

- Max. temp.: 300°F

ASME Class 125 wafer-style valves prevent flow reversal; eliminate water hammer and system surges. EPDM seal and O-ring. Vertical or horizontal mount. For liquid service use in HVAC, power, process, chemical, and waste industries.

### SURE CHECK

- Max. temp.: 100°F

Class 125 valves prevent surge and water hammer due to flow reversal; specially designed springs close discs before flow reversal can occur. With stainless steel springs and Buna N seal. Mount vertically or horizontally. Designed to fit ANSI flanges. Suitable for liquid and gas service applications. Meet ANSI and FM Approved.

### SPRING-LOADED/DUAL-DOOR

- Max. temp.: 250°F (cast iron); 600°F (stainless steel)

Wafer-style ASME Class 125 and Class 150 flanged valves fit between flat-face and raised-face flanges; reduce water hammer, surge, and backflow in piping systems. Cast-iron models have bronze or stainless steel disc and stainless steel spring. 316 stainless steel models have stainless steel disc and spring. For use in liquid and air service in industrial process, wastewater, and pulp and paper industries. Cast-iron are FM Approved; stainless meet API 594.

Size	SSI, Triple-Duty, Cast Iron, Buna N Seat	SSI, Silent, Cast Iron, Bronze Seat	SSI, Silent, Cast Iron, Stainless Steel Seat	Mueller Sure Check, Cast Iron, Buna Seal	SSI, Spring Loaded/ Dual Door, Cast Iron, Buna N Seat	SSI, Spring Loaded/ Dual Door, Stainless Steel Seat
2"	1RXE3	1RXF4	1RXG2	1RNP1	1RXJ7	1RXK6
2 1/2"	—	1RXF5	1RXG3	1RNP2	1RXJ8	1RXK7
3"	1RXE5	1RXF6	1RXG4	1RNP3	1RXJ9	1RXK8
4"	—	1RXF7	1RXG5	1RNP4	1RXK1	1RXK9
6"	1RXE7	—	—	1RNP5	1RXK2	—
6"	1RXE8	1RXF9	1RXG7	1RNP6	1RXK3	1RXL2
8"	1RXE9	1RXG1	1RXG8	1RNP7	1RXK4	1RXL3