

PLUMBING Check Valves



Cast-Iron
1JNL3

Note: Not for use for reciprocating air compressor service.

Cast-Iron—Bronze seats and disc. Meet MSS-SP-71 and ASTM B16.1.

Cast-Steel—Cobalt/chrome seats. Meet API 600 and ASME B16.34.

Carbon Steel—Feature 300 Class flange and hand-faced seal ring. Ideal for gas, oil, steam, and water applications. Meet ASME B16.10, B16.34 and API 600.



Scan. Order. Done.
Details on page A1.

Cameron Newco Carbon Steel, Max. Temp.: 750°F Item No.

Flanged-End Swing Check Valves

Allow flow in only 1 direction to prevent backflow; Mount horizontally, except cast-iron models mount vertically or horizontally.

		Milwaukee Valve			Cast Steel, Max Temp.: 1000°F @ 20 psi			Cracking Press.: 0.75 to 1 psi		
Size	L	Max. Steam Pressure	Max. Water Pressure	Item No.	Max. Water Pressure	Item No.	Cracking Pressure	L	Item No.	
2"	8 in	125 psi WSP	200 psi	1JNL3	285 psi @ 100°F	4EVK1	2"	0.082 psi	4 1/2 in 332833	
2 1/2"	8 1/2 in	125 psi WSP	200 psi	1JNL4	285 psi @ 100°F	4EVK2	3"	0.062 psi	5 1/2 in 332834	
3"	9 1/2 in	125 psi WSP	200 psi	1JNL5	285 psi @ 100°F	4EVK3	4"	0.068 psi	12 in 332835	
4"	11 1/2 in	125 psi WSP	200 psi	1JNL6	285 psi @ 100°F	4EVK4	6"	0.057 psi	6 3/4 in 332836	
5"	13 in	125 psi WSP	200 psi	1JNL7	—	—	8"	0.061 psi	12 in 332837	
6"	14 in	125 psi WSP	200 psi	1JNL8	285 psi @ 100°F	4EVK5	10"	0.058 psi	24 1/2 in 332838	
8"	19 1/2 in	—	—	—	285 psi @ 100°F	4EVK6	12"	0.065 psi	28 in 332839	

316 Stainless Steel Swing Check Valves

- Max. pressure: 200 psi
- Max. temp.: 353°F

Provide excellent corrosion and chemical resistance. Horizontal mounting. For use in plumbing and heating applications.



NPT
4VMT7



Piston
4DHV8

Compact Spring Check Valves

- Max. temp.: 250°F (Buna); 375°F (Viton®)
- Cracking pressure: 1 psi

Install in tight spaces to provide backflow protection for a variety of applications. First connection listed is the direction of flow.

Piston design provides a positive seal at very low back pressure or slight vacuum.

Size	L	Connec. Type	Piston, Max. Pressure 500 psi	Brass Body, Brass Seat	Stainless Steel Body, Stainless Steel Seat	
				Buna Seals Item No.	Viton Seals Item No.	Buna Seals Item No.
1/8"	1 1/2"	1/16" FNPT x MNPT	4DHR5	4DHR6	4DHT4	4DHT5 *
		1/16" FNPT x MNPT	—	—	—	4DHT7
		1/16" MNPT x FNPT	4DHR7	4DHR8	4DHT6	—
		1/16" MNPT	—	—	4DHT2	4DHT3
1/4"	1 1/2"	1/16" MNPT x MNPT	—	—	4DHR4	—
		1/8" FNPT	4DHR9	4DHT1	4DHT8	4DHT9
		1/8" FNPT x MNPT	4DHU1	—	4DHU9	4DHV1
		1/8" MNPT	4DHU3	4DHU4	4DHV2	4DHV3
3/8"	1 1/2"	1/8" MNPT x FNPT	4DHU5	4DHU6	4DHV4	4DHV5
		1/8" FNPT	4DHU7	4DHU8	4DHV6	4DHV7
		1 3/32" FNPT x MNPT	4DHW1	4DHW2	—	—
		1 1/16" MNPT	4DHW3	4DHW4	—	—
1/2"	2"	1 1/4" MNPT x FNPT	4DHW5	4DHW6	4DHW7	4DHW8
		1 1/4" FNPT	4DHW5	4DHW6	—	—
		1 1/8" FNPT x MNPT	4DHX2	4DHX3	—	—
		1 1/8" MNPT x FNPT	4DHX4	4DHX5	—	—
3/4"	2 1/2"	2" MNPT	4DHW9	4DHX1	—	—
		2" FNPT	4DHW9	4DHX1	—	—
		2 1/2" FNPT	4DHW6	4DHW7	—	—
		2 1/2" FNPT	4DHW6	4DHW7	—	—
Poppet, Max. Pressure 500 psi				4DHR3	—	—
Poppet, Max. Pressure 1200 psi				—	4DHP7	—
1/4"	1 1/2"	1/2" FNPT	—	—	—	—
		1/2" FNPT	4DHP6	—	—	—
		3/8" FNPT	4DHP8	4DHP9	—	—
		1/2" FNPT	4DHR1	4DHR2	—	—

* Cap to Inset Center is 3 1/8" for 4DHT5, 4 3/8" for 4DHT7.

316 Stainless Steel Cone Spring Check Valves

- Max. pressure: 125 psi SWP
- Cracking pressure: 0.5 psi
- Max. temp.: 450°F

Valves allow flow in only 1 direction to prevent backflow, while the spring-actuated design allows fast seating action. FNPT connections. Dual guided stem and disc plus a soft PTFE seal for a bubble-tight shutoff. The 316 stainless steel body and spring are corrosion resistant and suitable for use with chemicals. Valves can be mounted vertically or horizontally.

46CE62



Bronze and Lead-Free Bronze Spring Check Valves

- Max. pressure: 250 psi non-shock CWP
- Max. temp.: 353°F

Spring-actuated valves open and close by liquid flow and allow flow in only 1 direction to prevent backflow. Bronze body. Can be mounted vertically or horizontally.

Note: Check valves are not for use with reciprocating air compressor service.

APPROVED VENDOR

- Max. pressure: 200 psi CWP
 - Max. temp.: 250°F
- When mounted vertically, valves must be positioned for flow up only.

MILWAUKEE VALVE

- Max. pressure: 250 psi non-shock CWP
- Max. temp.: 353°F

Silent closing design to reduce water hammer. Certified for use in potable water applications.

Note: Find more Milwaukee Valve items at Grainger.com®; search for "Milwaukee bronze swing check valves".

Size	Approved Vendor, NPT Cracking Pressure			Approved Vendor, Solder Item No.			Milwaukee, Lead-Free Threaded Cracking Pressure			Milwaukee, Lead-Free Solder Cracking Pressure		
	L	Item No.	L	Item No.	L	Item No.	L	Item No.	L	Item No.		
3/8"	1.7 psi	2 1/32 in 6AJY1	1.7 psi	2 27/32 in 6AJY7	0.75 to 1 psi	1 1/2 in 5EMY5	0.75 to 1 psi	1 1/2 in 5EMY6	0.75 to 1 psi	1 1/2 in 5EM22		
1/2"	3.5 psi	2 3/4 in 6AJY2	3.5 psi	3 1/2 in 6AJY8	0.75 to 1 psi	1 1/2 in 5EMY7	0.75 to 1 psi	1 1/2 in 5EMY8	0.75 to 1 psi	1 1/2 in 5EM23		
3/4"	3.5 psi	3 1/4 in 6AJY3	3.5 psi	4 3/8 in 6AJY9	0.75 to 1 psi	1 1/2 in 5EMY9	0.75 to 1 psi	1 1/2 in 5EMY8	0.75 to 1 psi	1 1/2 in 5EM24		
1"	3.5 psi	3 3/8 in 6AJY4	3.5 psi	4 3/2 in 6AJZ0	0.75 to 1 psi	2 3/32 in 5EMY9	0.75 to 1 psi	2 3/32 in 5EMZ0	0.75 to 1 psi	2 3/32 in 5EM25		
1 1/4"	4.3 psi	4 in 6AJY5	4.3 psi	4 19/32 in 6AJZ1	0.75 to 1 psi	2 9/32 in 5EMZ0	0.75 to 1 psi	2 9/32 in 5EMZ0	0.75 to 1 psi	2 9/32 in 5EM26		
1 1/2"	4.3 psi	5 in 6AJY6	4.3 psi	6 1/8 in 6AJZ2	0.75 to 1 psi	3 1/8 in 5EMZ1	0.75 to 1 psi	3 1/8 in 5EMZ8	0.75 to 1 psi	3 1/8 in 5EM27		