



MILWAUKEE VALVE  
**Newco**  
CAMERON



**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.

Cameron  
Newco  
Carbon  
Steel, Inc.  
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.

Size	L (in)	Cast Iron, Max. Temp.: 350°F		Milwaukee Valve		Cast Steel, Max Temp.: 1000°F @ 20 psi		Cracking Pressure	L (in)	Item No.
		Max. Pressure	Water WSP	Max. Pressure	Item No.	Max. Pressure	Item No.			
2"	8	125 psi	200 psi	285 psi	1JNL3	285 psi	4EVK1	2"	0.082 psi	332833
2 1/2"	8 1/2	125 psi	200 psi	285 psi	1JNL4	285 psi	4EVK2	3"	0.062 psi	332834
3"	9 1/2	125 psi	200 psi	285 psi	1JNL5	285 psi	4EVK3	4"	0.068 psi	332835
4"	11 1/2	125 psi	200 psi	285 psi	1JNL6	285 psi	4EVK4	6"	0.057 psi	332836
5"	13	125 psi	200 psi	—	1JNL7	—	—	8"	0.061 psi	332837
6"	14	125 psi	200 psi	285 psi	1JNL8	285 psi	4EVK5	10"	0.058 psi	332838
8"	19 1/2	—	—	285 psi	—	285 psi	4EVK6	12"	0.065 psi	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,		
				Buna Seals	Viton Seals	Buna Seals	Viton Seals
Item No.	Item No.	Item No.	Item No.	Item No.	Item No.	Item No.	Item No.
1 1/8 in	FNPT x MNPT	4DHR5	4DHR6	4DHT4	4DHT5	*	
1 1/8 in	FNPT x MNPT	—	—	—	4DHT7		*
1/2 in	MNPT x FNPT	4DHR7	4DHR8	4DHT6	—	—	—
1/2 in	MNPT	—	—	4DHT2	4DHT3	—	—
1/2 in	MNPT x MNPT	—	—	4DHR4	—	—	—
1/2 in	FNPT	4DHR9	4DHT1	4DHT8	4DHT9	—	—
1/2 in	MNPT	4DHU1	—	4DHU9	4DHV1	—	—
1/2 in	FNPT x MNPT	4DHU3	—	4DHU4	4DHV2	—	—
1/4 in	MNPT	—	—	4DHU2	—	—	—
1/4 in	MNPT x FNPT	4DHU5	4DHU6	4DHV4	4DHV5	—	—
1/4 in	FNPT	4DHU7	4DHU8	4DHV6	4DHV7	—	—
1 1/2 in	FNPT x MNPT	4DHW1	4DHW2	—	—	—	—
1 1/2 in	MNPT	4DHW3	4DHW4	—	—	—	—
1 1/2 in	MNPT x FNPT	4DHW5	4DHW6	4DHW7	4DHW8	—	—
1/2 in	FNPT	4DHX2	4DHX3	—	—	—	—
1/2 in	MNPT x FNPT	4DHX4	4DHX5	—	—	—	—
2 in	MNPT	4DHW9	4DHW7	—	—	—	—
2 1/2 in	FNPT	4DHW6	4DHW7	—	—	—	—

#### Poppet, Max. Pressure 500 psi

1/2 in	1 3/8 in	MNPT	4DHR3	—	—	—
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#### Poppet, Max. Pressure 1200 psi

1/4 in	1/2 in	FNPT	—	4DHP7	—	—
1/4 in	1 1/2 in	FNPT	4DHP6	—	—	—
3/8 in	1 3/4 in	FNPT	4DHP8	4DHP9	—	—
1/2 in	1 1/2 in	FNPT	4DHR1	4DHR2	—	—

\* Cap to Inset Center is 3 1/8" for 4DHT5, 4 1/2" for 4DHT7.

Size	Cracking Pressure	L	NPT Item No.	Socket Weld Item No.
1/4"	4.27 psi	2 3/8 in	4VMT7	—
3/8"		2 1/2 in	4VMT8	4VMU9
1/2"		2 3/8 in	4VMT9	—
3/4"		3 3/8 in	4VMU1	—
1"		3 1/2 in	4VMU2	—
1 1/4"	5.6 psi	4 1/2 in	4VMU3	—
1 1/2"		4 3/8 in	4VMU4	4VMV5
2"		5 1/8 in	4VMU5	4VMV6
2 1/2"		5 3/8 in	4VMU6	—
3"		7 1/2 in	4VMU7	—



**46CE62**



### 316 Stainless Steel 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.

Size	L (in)	Item No.
1/4"	2 3/8 in	46CE62
3/8"	2 1/2 in	46CE63
1/2"	2 3/8 in	46CE64
3/4"	2 1/2 in	46CE65
1"	3 1/2 in	46CE66
1 1/4"	4 3/8 in	46CE67
1 1/2"	4 1/8 in	46CE68
2"	6	46CE69

### Bronze and Lead-Free Bronze Spring Check Valves

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.

#### APPROVED VENDOR

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

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



#### 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			Approved Vendor, Solder			Milwaukee, Lead-Free Threaded			Milwaukee, Lead-Free Solder		
	Cracking Pressure	L	Item No.	Cracking Pressure	L	Item No.	Cracking Pressure	L	Item No.	Cracking Pressure	L	Item No.
3/8"	—	—	—	—	—	—	0.75 to 1 psi	1 1/2 in	5EMY5	0.75 to 1 psi	1 1/2 in	5EM22
1/2"	1.7 psi	2 1/8 in	6AJY1	1.7 psi	2 2/8 in	6AJY7	0.75 to 1 psi	1 1/2 in	5EMY6	0.75 to 1 psi	1 1/2 in	5EM23
3/4"	3.5 psi	2 3/4 in	6AJY2	3.5 psi	3 1/8 in	6AJY8	0.75 to 1 psi	1 1/2 in	5EMY7	0.75 to 1 psi	1 1/2 in	5EM24
1"	3.5 psi	3 1/4 in	6AJY3	3.5 psi	4 3/8 in	6AJY9	0.75 to 1 psi	2 3/8 in	5EMY8	0.75 to 1 psi	2 3/8 in	5EM25
1 1/4"	3.5 psi	3 3/4 in	6AJY4	3.5 psi	4 3/8 in	6AJZ0	0.75 to 1 psi	2 3/8 in	5EMY9	0.75 to 1 psi	2 3/8 in	5EM26
1 1/2"	4.3 psi	4 in	6AJY5	4.3 psi	4 1/8 in	6AJZ1	0.75 to 1 psi	2 1/8 in	5EMZ0	0.75 to 1 psi	2 1/8 in	5EM27
2"	4.3 psi	5 in	6AJY6	4.3 psi	6 1/8 in	6AJZ2	0.75 to 1 psi	3 3/8 in	5EMZ1	0.75 to 1 psi	3 3/8 in	5EM28