



## METAL CHECK VALVES

### **METAL CHECK VALVES**

Metal inline valves of brass, aluminum, and stainless steel are provided in ball check, piston, and poppet styles. These valves are used in agricultural, food, beverage water, and medical applications. Most products are made with varying thread designs.



# BALL CHECK VALVES

## **BALL CHECK VALVES**

Ball Check Valves can be utilized in many applications. They are used for preventing backflow in a pipeline system.

## BLC SERIES-2,10,15 PSI



The BLC Series are ball checks with 2,10, or 15 PSI springs and No spring. Available in Brass or 303 Stainless Steel.

10-32 Female Check Valve 2 and 10 PSI rated for 125 PSI

1/8 Male to Male available with 2, and 20 PSI

1/4-inch Male to Male check valves with 2 and 15 PSI

1/8- and 1/4-inch Male to Female and Female to Male available in 2, or 15 PSI or No spring.

SKU	Description
BLC-1032-10	10-32 Female 10 psi Brass Check Valve
BLC-1032-2	10-32 Female 2 psi Brass Check Valve
BLC-1032	10-32 Female psi Brass Check Valve No spring
BLC-1032-10-SS	10-32 Female 10 psi 303 Stainless Check Valve
BLC-1032-2-SS	10-32 Female 2psi 303 Stainless Check Valve
BLC-1032-SS	10-32 Female 303 Stainless No Spring Check Valve
BLC-18-10	1/8 inch Male to Male Brass 10 psi Check Valve
BLC-18-2	1/8 inch Male to Male Brass 2 psi Check Valve
BLC-18	1/8 inch Male to Male Brass No Spring Check Valve
BLC-18-10-SS	1/8 inch Male to Male 303 Stainless 10 PSI Check Valve
BLC-18-2-SS	1/8 inch Male to Male 303 Stainless 2 PSI Check Valve
BLC-18-SS	1/8 inch Male to Male 303 Stainless Steel No Spring Check Valve
BLC-14-15	1/4 inch Male to Male Brass 15 psi Check Valve
BLC-14-2	1/4 inch Male to Male Brass 2 psi Check Valve
BLC-14	1/4 inch Male to Male Brass No Spring Check Valve
BLC-14-15-SS	1/4 inch Male to Male 303 Stainless 15 PSI Check Valve
BLC-14-2-SS	1/4 inch Male to Male 303 Stainless 2 PSI Check Valve
BLC-14-SS	1/4 inch Male to Male 303 Stainless No Spring Check Valve
BLC-18MF-10	1/8 inch Male to Female Brass 10 PSI Spring Check Valve
BLC-18MF-2	1/8 inch Male to Female Brass 2 PSI Spring Check Valve
BLC-18MF	1/8 inch Male to Female Brass No Spring Check Valve
BLC-18MF-10-SS	1/8 inch Male to Female 303 Stainless 10 PSI Check Valve
BLC-18MF-2-SS	1/8 inch Male to Female 303 Stainless 2 PSI Check Valve
BLC-18MF-SS	1/8 inch Male to Female 303 Stainless No Spring Check Valve
BLC-14MF-15	1/4 inch Male to Female Brass 15 PSI Check Valve
BLC-14MF-2	1/4 inch Male to Female Brass 2 PSI Check Valve
BLC-14MF	1/4 inch Male to Female Brass No Spring Check Valve
BLC-14MF-15-SS	1/4 inch Male to Female 303 Stainless 15 PSI Check Valve
BLC-14MF-2-SS	1/4 inch Male to Female 303 Stainless 2 PSI Check Valve
BLC-14MF-SS	1/4 inch Male to Female 303 Stainless No Spring Check Valve

SKU	Description
BLC-18FM-10	1/8 inch Female to Male Brass 2 PSI Spring Check Valve
BLC-18FM-2	1/8 inch Female to Male Brass 2 PSI Spring Check Valve
BLC-18FM	1/8 inch Female to Male Brass 2 PSI Spring Check Valve
BLC-18FM-10-SS	1/8 inch Female to Male 303 Stainless 10 PSI Check Valve
BLC-18FM-2-SS	1/8 inch Female to Male 303 Stainless 2 PSI Check Valve
BLC-18FM-SS	1/8 inch Female to Male 303 Stainless No Spring Check Valve
BLC-14FM-15	1/4 inch Female to Male Brass 15 PSI Check Valve
BLC-14FM-2	1/4 inch Female to Male Brass 2 PSI Check Valve
BLC-14FM	1/4 inch Female to Male Brass No Spring Check Valve
BLC-14FM-15-SS	1/4 inch Female to Male 303 Stainless 15 PSI Check Valve
BLC-14FM-2-SS	1/4 inch Female to Male 303 Stainless 2 PSI Check Valve
BLC-14FM-SS	1/4 inch Female to Male 303 Stainless No Spring Check Valve

## SBCV SERIES



SBCV series Ball check for Air or vacuum.

Electroless nickel plating is available.

Brass Ball check valves requires low back pressure to seal.

Sizes are 1/4 MNPT, 1/4 FNPT, 3/8 MNPT, 3/8 FNPT or combinations of both

1/4 MNPT to 1/4 MNPT

1/4 MNPT to 1/4 FNPT,

3/8 FNPT to 1/4 MNPT

3/8 FNPT to 3/8 FNPT

1/4 Male Flare to 1/4 Male Flare. Brass ball checks have 3 selections of seals, Buna, EPDM, or Viton (R)

Thru hole is .280 for 1/4 valves and .340 for 3/8 Valves

1/2 MNPT, or 1/2 FNPT or either combinations.

3/4 ball check offered only in F by F selection. Electroless nickel plating is available. Overall cracking pressure is between 1-5 PSI standard.

1/2 Male unit offered in less than 1, or more than 5 PSI.

Seals of Buna/FKM/EPDM,

	<b>Inlet</b>	<b>Outlet</b>	<b>Seal</b>	<b>Spring</b>
SBCV- 4M4M-B	1/4 MNPT	1/4 MNPT	Buna	1< PSI Crack Pressure
SBCV-4F4F-B	1/4 FNPT	1/4 FNPT	Buna	1 < PSI Crack Pressure
SBCV-6F6M-B	3/8 FNPT	3/8 MNPT	Buna	1 < PSI Crack Pressure
SBCV-6F6F-E	3/8 FNPT	3/8 FNPT	EPDM	1 < PSI Crack Pressure
SBCV-6F4M-E	3/8 FNPT	1/4 MNPT	EPDM	1 < PSI Crack Pressure
SBCV- 8M8M-V-5	1/2 MNPT	1/2 MNPT	Viton FKM	Over 5 PSI
SBCV-8M8M-E-1-NP	1/2 MNPT	1/2MNPT	EPDM	< 1 PSI Electroplated
SBCV-8M8M-B-NS	1/2 MNPT	Buna	Buna	No Spring
SBCV-12M12M-V-1 to 5	3/4 FNPT	Viton FKM	Viton FKM	Opening between 1 to 5 PSI

## EVCK SERIES- BALL CHECK VALVE



Our EVCK Series Anti-Siphon Ball Check Valves for gasoline applications. These Brass valves are available 1/4 NPTF by 1/4, 5/16 or 3/8 Barb, 1/4 NPTF by 1/4 or 3/8,

45 % Male Flare, 1/4 NPTF by 1/4 NPTF and 1/4 NPTF by 1/4 NPTF Female. These 1/4 valves offer a 30 GPH flow at -1.5 PSI

The 3/8 NPTF threads offer a flow of 50 GPH at -1.5 PSI. The sizes are 3/8 Male NPTF by 3/8, 1/2 or 5/8 Hose Barb. 3/8 Male NPTF by 3/8 Male Flare 45%, 3/8 NPTF both ends, and a 3/8 Male NPTF by 3/8 NPTF Female threads.

1/2 Inch connections offer a 75 GPH Flow Rate at -1.5 PSI. Sizes are 1/2 Male NPTF by 3/8 or 1/2 Hose Barb or 1/2 Male NPTF both ends that is available only in brass.

Available in Brass or Aluminium (except Flare fittings) with 300 Stainless Steel ball seats, ball and springs.

<b>SKU</b>	<b>Description</b>
EVCK-4M	1/4 inch Male by 1/4 inch Male Ball Check Valve
EVCK-4M4B-B	1/4 inch Male by 1/4 inch Barb Ball Check Valve
EVCK-4M4B-AL	1/4 Inch Male by 1/4 inch Barb Ball Check Valve Aluminum
EVCK-4M5B	1/4 inch Male by 5/16 inch Barb Ball Check Valve
EVCK-4M6B	1/4 inch Male by 3/8 inch Barb Ball Check Valve
EVCK-4M4F	1/4 inch Male by 1/4 inch Female Ball Check Valve

SKU	Description
EVCK-6M	3/8 inch Male by 3/8 inch Male Ball Check Valve
EVCK-6M6B	3/8 inch Male by 3/8 inch Barb Ball Check Valve
EVCK-6M8B	3/8 inch Male by 1/2 inch Barb Ball Check Valve
EVCK-6M10B	3/8 inch Male by 5/8 inch Barb Ball Check Valve
EVCK-6M6F	3/8 inch Male by 3/8 inch Female Ball Check Valve
EVCK-8M	1/2 inch Male by 1/2 inch Male Ball Check Valve (brass only)
EVCK-8M6B-AL	1/2 inch Male by 3/8 inch Barb Ball Check Valve (aluminum only)
EVCK-8M8B	1/2 inch Male by 1/2 inch Barb Ball Check Valve (Brass Only)



## CMCV SERIES

The CMCV Series Brass Ball Check Valves are compression fittings. This series has Tube OD of 1/8 inch, 1/4 inch, and 3/8 inch. Male NPT thread sizes of 1/8 inch and 1/4 inch are available. In addition, the working pressure for the 1/8 inch tube OD is 400 psi, for the 1/4 inch it is 300 psi, and for the 3/8 inch, it is 200 psi. Furthermore, the temperature range is -65° F to 250°F at maximum operating pressures.

SKU	Description
CMCV-14C2M	1/4 inch by 1/8 inch NPT 3 psi Brass Compression Check Valve
CMCV-18C2M	1/8 inch Brass 3 psi by 1/8 inch NPT Brass Compression Check Valve
CMCV-2M14C	1/8 inch NPT by 1/4 inch Brass S 3 psi Brass Compression Check Valve
CMCV-2M18C	1/8 inch NPT by 1/8 inch Brass 3 psi Brass Compression Check Valve
CMCV-38C4M	3/8 inch Brass 3 psi by 1/4 inch NPT Brass Compression Check Valve
CMCV-4M38C	1/4 inch NPT by 3/8 inch Brass 3 psi Brass Compression Check Valve





## METAL PISTON CHECK VALVES

### **METAL PISTON CHECK VALVES**

Pneuline offers Metal Piston Check Valves perfect for Industrial applications, Power plants, and High-temperature services. Metal Piston Check Valves are Gravitational closure and quick closing.

CLCV SERIES - BRASS CHECK VALVES



The CLCV Series Brass Check Valves have 10-32 inch ports, a Nitrile seal, and a Stainless Steel spring. It permits flow in only one direction and is used for air and hydraulics. The input psi is 300 maximum. The crack pressure is 1/2 psi and the temperature range is 32° F to 230° F. The 1/8-inch valve has a maximum input pressure of 1000 psi. Otherwise, all other attributes are the same as the 10-32 inch valve.

SKU	Description
CLCV-10F10F	January 6, 1900
CLCV-10F10M	10-32 Female to Male Brass Poppet Check Valve
CLCV-10M10M	10-32 Male to Male Brass Poppet Check Valve
CLCV-10M10F	10-32 Male to Female Brass Poppet Check Valve
CLCV-18F	1/8 inch Female to Female Brass Poppet Check Valve

BPCV SERIES

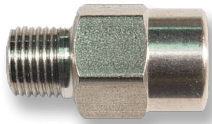


The BPCV Series Brass Piston Check Valves are available in inlet and outlet sizes of 1/8 inch, 3/16 inch, 1/4 inch, and 5/16 barbs. Seal options are Buna-N, EPDM and Viton®. Spring materials are Hastelloy and Stainless Steel but the valve is also available without a spring. The maximum operating pressure is 125 psi. The flow rate is 2.5 SCFM at 50 psi.

SKU	Description
BPCV-332B	3/32 Barb Piston Check Valve
BPCV-2B	1/8 inch Barb Brass Piston Check Valve
BPCV-2B-E1	1/8 inch Barb EPDM Piston Check Valve 1 psi
BPCV-3B	3/16 Barb Piston Check Valve
BPCV-4B	1/4 Barb Piston Check Valve
BPCV-5	5/16 Barb Piston Check Valve



## PSCV 2 SERIES



The PSCV Series available in Stainless Steel or Brass, ensures a positive bubble-tight seal. They have a cracking pressure of 1 psi, a maximum pressure of 500 psi, and a maximum working temperature of 250° F. The standard unit is Brass with a 302 Stainless Steel spring and Steel retainer. Also available in a 316 Stainless Steel body (shown) with a Hastelloy® spring. Seals available are Buna, EPDM, or FKM.

SKU		Description
PSCV-2M	1/8 MNPT Brass Piston Check Valve	
PSCV-2F	1/8 FNPT Brass Piston Check Valve	
PSCV-2M2F	1/8M to 1/8F Brass Piston Check Valve	
PSCV-2F2M	1/8F to 1/8M Brass Piston Check Valve	
PSCV-4M2F	1/4 MNPT 1/8 FNPT Brass Piston Check Valve	
PSCV-4M2M	1/4 MNPT to 1/8 MNPT Brass Piston Check Valve	
PSCV-2M-SS	1/8 MNPT 316 Stainless Steel Piston Check Valve	
PSCV-2M2F-SS	1/8 Male to 1/8 FNPT 316 Stainless Steel Piston Check Valve	
PSCV-2F2M-SS	1/8 FNPT 1/8 MNPT 316 Stainless Steel Piston Check Valve	



## METAL POPPET CHECK VALVES

### **METAL POPPET CHECK VALVES**

Pneuline offers a range of high-quality metal poppet check valves, expertly engineered to prevent backflow. These valves feature a movable poppet that creates a secure seal against a seat, effectively blocking reverse pressure.

## PPCV SERIES



The PPCV Series Brass Poppet Check Valves have equal inlet and outlet sizes of 1/8, 1/4 inch, 3/8 inch, 1/2 inch, 3/4 inch and 1 inch Female NPT threads and 1/2 inch MNPT to 3/8 inch FNPT threads. Seal options are Buna-N, EPDM and Viton®. The cracking pressure on the 302 Stainless Steel spring is 1 psi (standard). Maximum operating pressure is 500 PSI for the 1/8 size and 1200 PSI for all the other sizes. The maximum operating temperature is 180° F. Typical poppet valves require approximately 1/2 PSI back pressure to close. Used in applications requiring high flow at an economical price.

SKU	Description	Maximum Pressure	Seals
PPCV-18M	1/8 inch MNPT Brass Poppet Check Valve	500 PSI	Buna, EPDM, FKM
PPCV-18M14MFL	1/8 inch MNPT to 1/4 Male Flare Brass	500 PSI	Buna, EPDM, FKM
PPCV-14MFL18M	1/4 Male Flare to 1/8 MNPT Brass Poppet Check Valve	500 PSI	Buna, EPDM, FKM
PPCV-14MFL18M-NP	1/4 Male Flare to 1/8 MNPT Nickel Plated Brass Poppet Check Valve	500 PSI	Buna, EPDM, FKM, Neoprene
PPCV-14F	1/4 inch Female Brass Poppet Check Valve	1200 PSI	Buna, EPDM, FKM, Neoprene
PPCV-14F-1-V	1/4 inch Female Brass Poppet Check Valve	1200 PSI	Buna, EPDM, FKM, Neoprene
PPCV-14MFL	1/4 Male Flare to 1/4 Male Flare Brass	1200 PSI	Buna, EPDM, FKM, Neoprene
PPCV-14F14MFL	1/4 FNPT to 1/4 Male Flare Brass	1200 PSI	Buna, EPDM, FKM, Neoprene
PPCV-38MFL	3/8 Male Flare Brass Poppet Check Valve	1200 PSI	Buna, EPDM, FKM, Neoprene
PPCV-38F	3/8 FNPT to 3/8 FNPT Brass	1200 PSI	Buna, EPDM, FKM
PPCV-8M6F	1/2 Male to 3/8 Female Brass	1200 PSI	No Seals, Closes at 1/2 PSI
PPCV-6F6F-SS	3/8 FNPT to 3/8 FNPT 316 SS	5000 PSI	No Seals, Closes at 1/2 PSI
PPCV-8F	1/2 inch Female Brass Poppet Check Valve	1200 PSI	Buna, EPDM, FKM, Neoprene
PPCV-12F	3/4 inch Female Brass	1200 PSI	Buna, EPDM, FKM, Neoprene



SKU	Description	Maximum Pressure	Seals
PPCV-12M	3/4 inch Male 3/4 inch Male Brass	1200 PSI	Buna, EPDM, FKM, Neoprene
PPCV-1F1F	1 Inch Female to Female Brass	1200 PSI	Buna, EPDM, FKM, Neoprene
<b>PPCV-1F1F-SS</b>	<b>1 Inch Female to Female 316 SS</b>	<b>200 PSI</b>	<b>No seals</b>