



METAL CHECK VALVES

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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



Brass or 303 Stainless.

10-32 Female Threads, 1/8 Nipple available with 2 PSI, 10 PSI, or no spring.

1/4 Nipple is available with 2, and 15 PSI crack pressure or no spring.

1/8 Mnpt to 1/8 Fnpt, or 1/8 Female to 1/8 Male available in 2, or 10 PSI cracking pressure.

1/4 Male to Female NPT or 1/4 Female to 1/4 Male available in 2, or 15 PSI. Also available with no spring.

125 PSI Working pressure for 10-32 all others 200 PSI.

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

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

SBCV 2500 SERIES



Brass Ball check valves

Rated at 2500 PSI

Sizes and flow direction

1/4 MNPT by 1/4 MNPT

1/4 MNPT by 1/4 FNPT,

1/4 Male Flare by 1/4 Male Flare. Brass ball checks have 3 selections of seals, Buna, EPDM, or Viton,

Cracking pressure 1-5 PSI or over 5 PSI or No spring

303 Stainless Steel Ball Check Valve

1/4 MNPT by 1/4 MNPT

| Product ID | Inlet | Outlet | Spring | Seal |
|---------------|----------|----------|------------------------|------|
| SBVC-4M4M-1-B | 1/4 MNPT | 1/4 MNPT | 1-5 PSI Crack Pressure | Buna |

SBCV 2000 SERIES



Ball check valves are available in brass maximum operating pressure of 2000 PSI. 1/2 MNPT or 3/4 FNPT. 1/2 MNPT has seals of Buna/FKM/EPDM, and FKM only for 3/4 valves. 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. Both units are available without springs.

| Par Number | Description | Seals | Opening pressure | Material |
|--------------------------|----------------------|--------------|----------------------------|--------------------------------------|
| SPCV2000 8M8M-V-5 | 1/2 MNPT by 1/2 MNPT | Viton FKM | Over 5 PSI | Brass |
| SPCV2000 8M8M-E-1-NP | 1/2 MNPT by 1/2 MNPT | EPDM | Less than 1 PSI | Brass Electroless Nickel plate |
| SPCV2000 8M8M-B-NS | 1/2 MNPT by 1/2 MNPT | Buna | N/A | Brass |
| SPCV2000-12M12M-V-1 to 5 | 3/4 FNPT by 3/4 FNPT | Viton FKM | Opening between 1 to 5 PSI | Brass |

EVCK SERIES- ANTI SIPHON 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.

| SKU | Description |
|--------------|---|
| 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 |
| 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-VALVED COMPRESSION FITTINGS

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 |

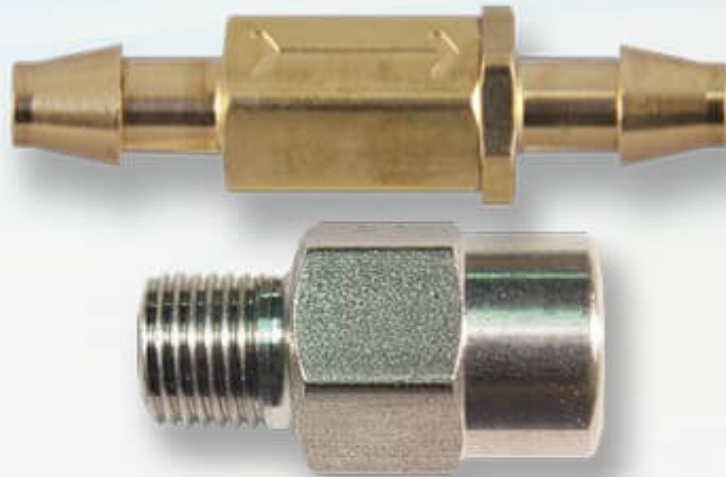
BCV SERIES



The BCV .187 flow thru Series is a Brass Ball Check Valve, with inlet and outlet sizes of 1/4 inch MNPT both ends, 1/4 inch Male Flare both ends, or a 1/4 MNPT to 1/4 FNPT flow only. This Check Valve has no elastomers to create a seal. It will have a positive seal only at high back pressure, so some leakage may bi-pass the seat in low-pressure applications. The cracking pressure on the 302 Stainless Steel spring is 1 psi (standard), 3.7, 5, 10, 14 and 18 psi. Maximum operating pressure is 2500 psi and the maximum operating temperature is 250° F.

The .280 flow thru series is available in 1/4 or 3/8 inch Male and Female NPT threads, and sealing materials are Buna, EPDM or Fluoroelastomer. The cracking pressure on the 302 Stainless Steel spring is 1/2 psi, 1 (standard), 3, 6, 10, 30, 40, 55 and 70 psi. The maximum operating pressure is 3000 psi and the maximum operating temperature is 250° F for Buna seals. These Check Valves are designed for high press applications up to 3000 PSI.

| SKU | Description |
|----------|---|
| BCV-14F | 1/4 inch FNPT by 1/4 inch FNPT Ball Check Valve |
| BCV-14FM | 1/4 inch FNPT by 1/4 inch MNPT Ball Check Valve |
| BCV-14M | 1/4 inch MNPT by 1/4 inch MNPT Ball Check Valve |
| BCV-14MF | 1/4 inch MNPT by 1/4 inch FNPT Ball Check Valve |
| BCV-38F | 3/8 inch FNPT by 3/8 inch FNPT Ball Check Valve |
| BCV-38M | 3/8 inch MNPT by 3/8 inch MNPT Ball Check Valve |



METAL PISTON CHECK VALVES

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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 |

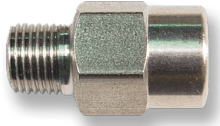
BPCV SERIES



The BPCV Series Brass Piston Check Valves are available in inlet and outlet sizes of 1/4 inch, 1/8 inch, and 3/16 inch 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-2 | 1/8 inch Barb Brass Piston Check Valve |
| BPCV-2B-E1 | 1/8 inch Barb EPDM Piston Check Valve 1 psi |
| BPCV-5 | 5/16 Barb Piston Check Valve |

PSCV SERIES



The PSCV Series Brass or Stainless Steel Piston Check Valves 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. Optional springs of 3, 5, 9, 15, 20, 25 psi. Also available in a 316 Stainless Steel body (shown) with a Hastelloy® spring. 1, 3, 15, and 25 psi. Seals available are Buna, EPDM, or FKM.

| SKU | Description |
|--------------|--|
| PSCV-12F | 1/2 FNPT Brass Piston Check Valve with Buna Seal |
| PSCV-14F | 1/4 FNPT Brass Piston Check Valve with Buna Seal |
| PSCV-14FM | 1/4 FNPT 1/4 MNPT Brass Piston Check Valve |
| PSCV-14M | 1/4 MNPT Brass Piston Check Valve |
| PSCV-18F | 1/8 FNPT Brass Piston Check Valve |
| PSCV-18FM | 1/8 FNPT 1/8 MNPT Brass Piston Check Valve |
| PSCV-18M | 1/8 MNPT Brass Piston Check Valve |
| PSCV-34F | 3/4 FNPT Brass Piston Check Valve |
| PSCV-38F | 3/8 FNPT Brass Piston Check Valve |
| PSCV-38FM | 3/8 FNPT 3/8 MNPT Brass Piston Check Valve |
| PSCV-18F-SS | 1/8 FNPT 316 Stainless Steel Piston Check Valve |
| PSCV-18FM-SS | 1/8 FNPT 1/8 MNPT 316 Stainless Steel Piston Check Valve |
| PSCV-34F-SS | 3/4 FNPT 316 Stainless Steel Piston Check Valve |