

Check Valves



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Check Valves

PANAM Check Valves are specially designed & manufactured for flow control of fluids and gases in corrosive & hazardous environment. The valves are used in process control, instrumentation and flow control applications. Valves are precision machined with designer durability and maximum efficiency to provide high quality and low cost alternatives in fluid and gaseous control systems of different applications, to meet the exact standards of our customer growing demands.

Features

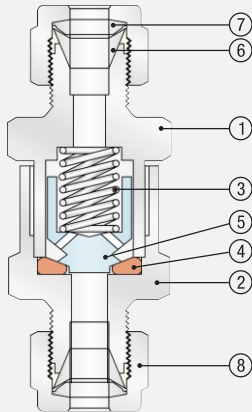
Available in High Grade Stainless Steel, Brass Materials

Variety of end connections includes Male / Female threaded NPT, BSP, BSPT, ISO, DIN and JIS tapered pipe ends.

100% factory tested for both crack & reseal.

Complete heat traceability.

Material of Construction



| Sr. No. | Part Name | Qty. | Material |
|---------|---------------|------|------------------|
| 1 | Body (Outlet) | 1 | A479-316 / Brass |
| 2 | Body (Inlet) | 1 | A479-316 / Brass |
| 3 | Spring | 1 | 302 S.S. / A313 |
| 4 | 'O' Ring | 1 | Viton / Buna-N |
| 5 | Poppet | 1 | A479-316 / Brass |
| 6 | Back Ferrule | 1 | A479-316 / Brass |
| 7 | Front Ferrule | 1 | A479-316 / Brass |
| 8 | Nut | 1 | A479-316 / Brass |

Optional TFE coated springs and elastomer seal are available upon request

Pressure & Temperature Ratings

Pressure Rating

| | | |
|-------|--------------|-------------------------|
| 316SS | 1/8" to 3/4" | 5000 psig CWP (345 bar) |
| | 1" | 3000 psig CWP (207 bar) |
| Brass | 1/8" to 1" | 3000 psig CWP (207 bar) |

Orifice 1.078" to 0.656"
(2.0 mm to 16.7 mm)

Cv Factor 0.18 to 6.56

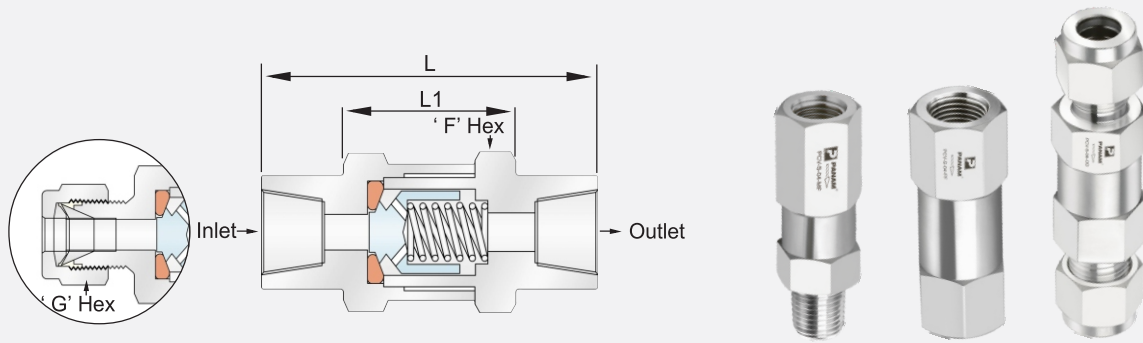
Working temperatures

| | |
|---------------------|-----------------------------------|
| Viton seal | -15° F to 375° F (-26°C to 190°C) |
| Fluorocarbon Rubber | -15° F to 400° F (-26°C to 204°C) |
| Buna - N Rubber | -30° F to 275° F (-34°C to 135°C) |
| Neoprene Rubber | -45° F to 250° F (-43°C to 121°C) |

Working-Choice of fixed pressure cracking points from 1/3 to 25 psi (.02 to 1.75 bar) or as per customers requirements.

Note:- Valves may initially crack at higher than subsequent cracking pressure if are not actuated for a period of time.

Dimensions



| Part No | Inlet | Outlet | L | L1 | F Hex | G Hex |
|-------------------|-----------------|-----------------|--------|-------|-------|-------|
| PCV-02-SS-OD | 1/8" OD | 1/8" OD | 68.50 | 33.50 | 19.00 | 11.00 |
| PCV-02-SS-FF | 1/8" Female NPT | 1/8" Female NPT | 50.00 | 33.50 | 19.00 | - |
| PCV-02-SS-MM | 1/8" Male NPT | 1/8" Male NPT | 53.50 | 33.50 | 19.00 | - |
| PCV-06-SS-OD | 6mm OD | 6mm OD | 72.00 | 33.50 | 19.00 | 14.00 |
| PCV-04-SS-OD | 1/4" OD | 1/4" OD | 72.00 | 33.50 | 19.00 | 14.00 |
| PCV-04-SS-FF | 1/4" Female NPT | 1/4" Female NPT | 60.00 | 33.50 | 19.00 | - |
| PCV-04-SS-MM | 1/4" Male NPT | 1/4" Male NPT | 62.50 | 33.50 | 19.00 | - |
| PCV-04-04-SS-MOD | 1/4" Male NPT | 1/4" OD | 66.00 | 33.50 | 19.00 | 14.00 |
| PCV-04-M06-SS-MOD | 1/4" Male NPT | 6mm OD | 66.00 | 33.50 | 19.00 | 14.00 |
| PCV-M08-SS-OD | 8mm OD | 8mm OD | 72.00 | 33.50 | 19.00 | 16.00 |
| PCV-06-SS-OD | 3/8" OD | 3/8" OD | 73.50 | 33.50 | 19.00 | 17.50 |
| PCV-06-SS-FF | 3/8" Female NPT | 3/8" Female NPT | 60.00 | 34.00 | 22.00 | - |
| PCV-06-SS-MM | 3/8" Male NPT | 3/8" Male NPT | 62.50 | 33.50 | 19.00 | - |
| PCV-M10-SS-OD | 10mm OD | 10mm OD | 74.50 | 33.50 | 19.00 | 19.00 |
| PCV-08-SS-OD | 1/2" OD | 1/2" OD | 79.00 | 34.00 | 22.00 | 22.00 |
| PCV-08-SS-FF | 1/2" Female NPT | 1/2" Female NPT | 84.00 | - | 32.00 | - |
| PCV-08-SS-MM | 1/2" Male NPT | 1/2" Male NPT | 73.00 | 34.00 | 22.00 | - |
| PCV-08-08-SS-MOD | 1/2" Male NPT | 1/2" OD | 76.00 | 34.00 | 22.00 | 22.00 |
| PCV-08-M12-SS-MOD | 1/2" Male NPT | 12mm OD | 76.00 | 34.00 | 22.00 | 22.00 |
| PCV-M12-SS-OD | 12mm OD | 12mm OD | 79.00 | 34.00 | 22.00 | 22.00 |
| PCV-10-SS-OD | 5/8" OD | 5/8" OD | 106.00 | 60.00 | 32.00 | 25.40 |
| PCV-M16-SS-OD | 16mm OD | 16mm OD | 106.00 | 60.00 | 32.00 | 25.40 |
| PCV-12-SS-OD | 3/4" OD | 3/4" OD | 106.00 | 60.00 | 32.00 | 25.40 |
| PCV-12-SS-FF | 3/4" Female NPT | 3/4" Female NPT | 84.00 | - | 35.00 | - |
| PCV-12-SS-MM | 3/4" Male NPT | 3/4" Male NPT | 99.00 | 60.00 | 32.00 | - |
| PCV-12-12-SS-MOD | 3/4" Male NPT | 3/4" OD | 102.50 | 60.00 | 32.00 | 28.50 |
| PCV-16-SS-OD | 1" OD | 1" OD | 118.00 | 65.00 | 35.00 | 38.00 |
| PCV-16-SS-FF | 1" Female NPT | 1" Female NPT | 98.50 | - | 40.50 | - |
| PCV-16-SS-MM | 1" Male NPT | 1" Male NPT | 115.00 | 65.00 | 35.00 | - |
| PCV-16-16-SS-MOD | 1" Male NPT | 1" OD | 118.00 | 65.00 | 35.00 | 38.00 |
| PCV-M25-SS-OD | 25mm OD | 25mm OD | 118.00 | 65.00 | 35.00 | 38.00 |

All dimensions are in millimeters unless otherwise specified. Dimensions are for reference only, Subject to change with out prior notice.



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