



Sync-Lok

Check Valve



Check Valves

Sync-Lok Check Valves are specially designed & manufactured for flow control of fluids and gases in corrosive & hazardous environment. These valves are used in process control, instrumentation and flow control applications.

Valves are precision machined with designer durability and maximum efficiency to proven high quality and low cost alternatives in fluid and gaseous control systems or different applications, to meet the exact standards of our customers growing demands.

Features

Available in High Grade Stainless Steel and Brass material.

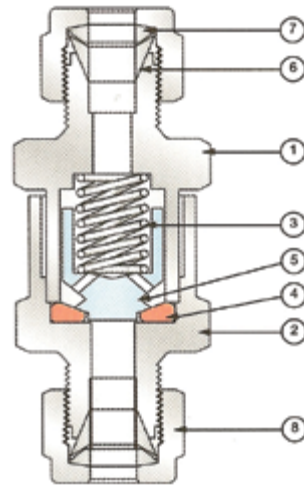
Variety of end connections includes Male / Female threaded NPT, BSP, BSPT, ISO, DIN, JIS tapered pipe ends and compression fitting ends.

100% factory tested for both crack & reseal.

Complete heat traceability.

Material of Construction

| Sr No | Part | Qty | Material |
|-------|---------------|-----|---|
| 1 | Body (Outlet) | 1 | A479-316 S.S / Alloy B16, Copper Alloy #360 |
| 2 | Body (Inlet) | 1 | A479-316 S.S / Alloy B16, Copper Alloy #360 |
| 3 | Spring | 1 | 302 S.S / A313 |
| 4 | 'O' Ring | 1 | Viton / Buna N |
| 5 | Poppet | 1 | A479-316 S.S / Alloy B16, Copper Alloy #360 |
| 6 | Back Ferrule | 1 | 316 S.S / Alloy B16, Copper Alloy #360 |
| 7 | Front Ferrule | 1 | 316 S.S / Alloy B16, Copper Alloy #360 |
| 8 | Nut | 1 | 316 S.S / Alloy B16, Copper Alloy #360 |



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" 92.0mm to 16.7mm)

Cv Factor - 0.18 to 6.56

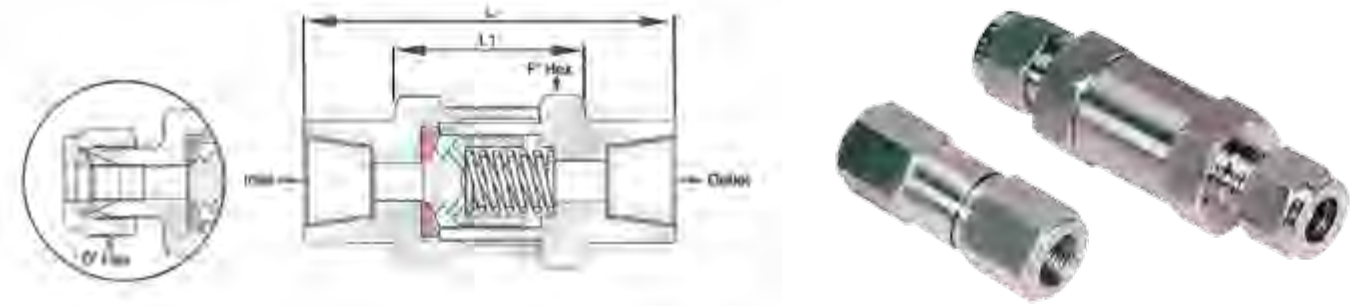
Choice of fixed pressure cracking points from 1/3 to 25 psi (.02 to 1.75 bar) or as per customer requirements.

Working Temperatures

| | |
|--------------------|-------------------------------------|
| Viton Seal | -15° F to 375° F (-26° C to 190° C) |
| Flurocarbon 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) |

Note: Valves may initially crack at higher than the set cracking pressure if they are not actuated for a long period of time.

Check Valve Dimensions



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



***Other Sync-Lok products include:
Ball Valves and Needle Valves
Stainless Steel Twin Ferrule Tube Fittings
Single Ferrule Tube Fittings
Bronze Alloy Fittings
Brass Single / Twin Ferrule Fittings
Marine Fittings***

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