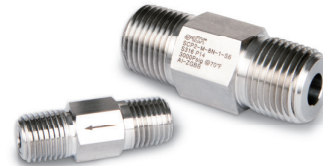


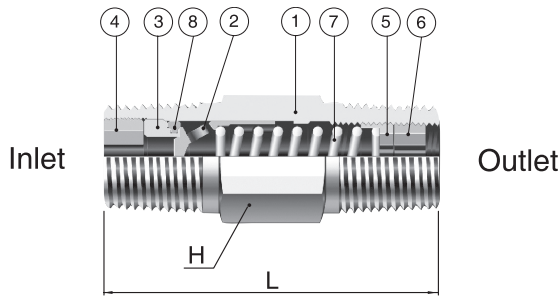
SCA30 Series Adjustable One Piece Check Valves

Features

- Pressure rating up to 3,000psig (206bar) @ 700°F(21°C).
- Cracking pressure adjustable from 3 to 600psi (0.2 to 41.4 bar)
- Temperature rating up to 375°F(191°C) with Standard Viton O-ring.
- Choice of materials : Standard S316 and Brass.
- Compact one-piece body.
- Heat code traceability.
- Every valve is 100% factory tested for cracking and reseal.



Materials of Construction



| Item | Description | Materials | |
|------|-------------------|-------------------------|-------|
| | | SS316 | Brass |
| 1 | Body | SS316 / A276 or A479 | Brass |
| 2 | Poppet | | |
| 3 | Insert | | |
| 4 | Insert Lock Screw | | |
| 5 | Adjusting Screw | | |
| 6 | Locking Screw | SS302/A313 | NBR |
| 7 | Spring | | |
| 8 | O-ring | Viton | NBR |

* Silicone-based Lubricant for poppet.

Ordering Information and Dimensions

| Basic Ordering Number | | Cv | End Connections | | | Dimensions mm(inch) | |
|-----------------------|------|------|-----------------|------------|------------|---------------------|------------|
| | | | Size | Inlet | Outlet | L | H |
| SCA1 | F-4N | 0.35 | 1/4" | Female NPT | | 75.7(2.98) | 19.05(3/4) |
| | M-4N | | Male NPT | | 41.1(1.62) | 14.28(9/16) | |
| | M-4R | | Male BSPT | | 41.1(1.62) | 14.28(9/16) | |
| SCA2 | M-8N | 1.20 | 1/2" | Male NPT | | 65.0(2.56) | 22.22(7/8) |
| | M-8R | | Male BSPT | | 65.0(2.56) | 22.22(7/8) | |

To order, add a cracking pressure range designator to the basic ordering number and then specify valve material designator.

Example : SCA1-M-4N-3-S6

Spring Cracking Pressure Range Designator

| Designator | Cracking Pressure | |
|------------|-------------------|--------------|
| | psi | bar |
| 3 | 3 to 50 | 0.21 to 3.5 |
| 50 | 50 to 150 | 3.5 to 10.4 |
| 150 | 150 to 350 | 10.4 to 24.2 |
| 350 | 350 to 600 | 24.2 to 41.4 |

Pressure-Temperature Ratings

Ratings based on Viton O-ring in SS316 stainless steel valves and NBR O-ring in brass valves.

| Series | SCA / SCP | |
|---------------------|------------------------------|-----------|
| | Working Pressure, psig (bar) | |
| | SS316 | Brass |
| -10(-23) to 100(37) | 3000(206) | 3000(206) |
| 200(93) | 2575(177) | 2600(179) |
| 250(121) | 2450(168) | 2405(165) |
| 300(148) | 2325(160) | - |
| 375(190) | 2185(150) | - |