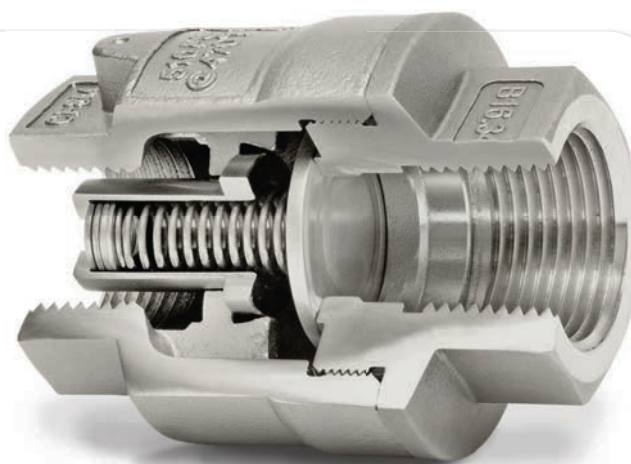


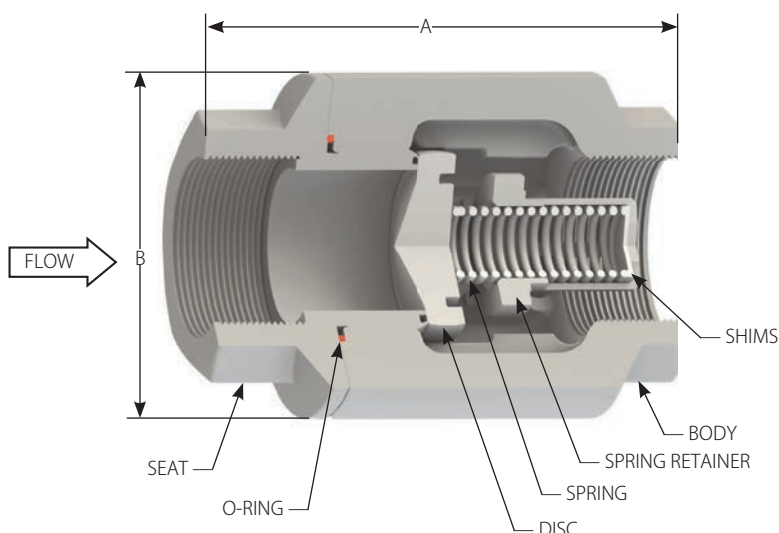
SCV-R®

The **SCV-R Check Valve** is a non-slam spring-assisted check valve designed for applications requiring “higher cracking pressures” than the DFT Model SCV® check valve. The SCV-R check valve is a self-contained check valve that installs directly in a pipeline and contains all of the proven features of the SCV check valve.



FEATURES:

- 1/2" to 2" Line size
- 750 CWP
- NPT & SW ends
- Stainless steel construction
- Inconel® X-750 spring
- Spring-assisted silent closing, non-slam
- Cracking Pressures: 0.8 to 40.8 psig (See chart)
- Zelon® “O” ring body seal
- Horizontal or vertical installation
- Body guided disc
- Tight shutoff lapped disc & seat
- Easy maintenance
- Versatile
- Options:
 - 316 SS springs
 - Body seal weld
- Soft seat (for bubble-tight shutoff)
- Alloy 20 body & seat (ASME 300)
- Hastelloy® C body & seat (ASME 300)
- NPT x socket weld ends
- Repair kits
- Field conversion kits



Consult pages 48 and 49 for Pressure/Temperature ratings and soft seat materials.

PRESSURE TEMPERATURE RATING (PSIG) (2)

Temp. (F°)	750 CWP
100	750
200	645
250	610
300	580
400	535
470	510

MATERIALS OF CONSTRUCTION

COMPONENT	750 CWP
Body	A351 CF8M
Seat (1)	A351 CF8M
Disc	A240 316
Spring	Inconel® X-750
"O" Ring	Zelon (470°F max.)
Spring Retainer	A479 316
Shims	A240 316

SOFT SEAT

Maximum operating temperatures of materials

MATERIALS	MAX. TEMP. (°F)
BUNA-N	-70 to 250
EPDM	-75 to 300
VITON® & TFE-Encapsulated VITON®	-40 to 400
ZELON®	37 to 470

Class 750 CWP

1/2"	A	2.68
	B	1.62
	Weight	1.1
	Cv	6
	CP	1 to 25
3/4"	A	3
	B	2.13
	Weight	1.5
	Cv	10
	CP	0.80 to 20
1"	A	3.32
	B	2.54
	Weight	1.9
	Cv	17
	CP	1.2 to 23.5
1 1/4"	A	3.87
	B	3.06
	Weight	3.9
	Cv	33
	CP	7.7 to 22
1 1/2"	A	4.75
	B	3.44
	Weight	4.7
	Cv	36
	CP	1.4 to 40.8
2"	A	5
	B	4.4
	Weight	7.7
	Cv	64
	CP	0.9 to 21.4

Not recommended for use on discharge of reciprocating compressors.

Contact DFT for other cracking pressures.

Notes: 1. Soft seats are available for bubble-tight shutoff. See chart. Body seal and soft seat material are the same unless otherwise requested.
2. ASME B16.34

All dimensions are in inches. Weights are in pounds. For metric measurements, visit www.dft-valves.com. CP: Cracking Pressure (psig)