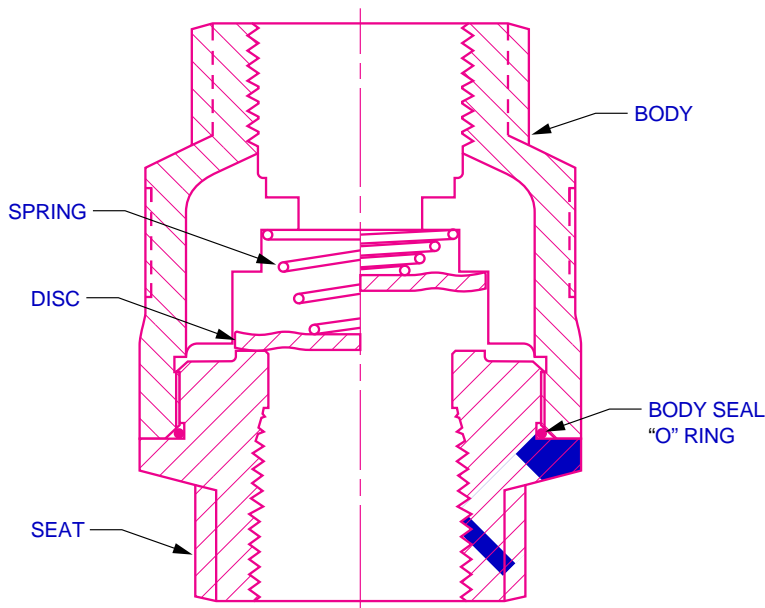


# SCV

## Features:



- 1/2" to 3" Line size
- 750 & 3600 CWP
- NPT & SW ends
- 316 Stainless Steel Construction
- Inconel® X-750 spring
- Meets NACE MR-01-75
- Spring-assisted silent closing
- Zelon body "O" ring
- Horizontal or vertical installation
- Body guided disc
- Tight shut-off - lapped disc & seat
- Simplified construction - 5 parts
- Easy maintenance
- Versatile
- OPTIONS:
  - 316 SS Springs
  - Body seal weld
  - Soft seat
  - Alloy 20
  - NPT x socket weld ends

The DFT® Model SCV is a corrosion resistant, dependable, versatile and economical spring-assisted, in-line check valve for a wide range of applications. Whether the fluid is liquid, gas or steam, the SCV provides tight shut-off and protects other equipment in the system from water hammer. Its 316 stainless steel construction insures a long service life.

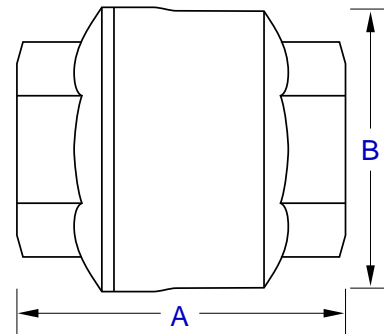
# SCV

## 750 CWP/500 WSP

	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	3"
A	2.68	3	3.32	3.87	4.75	5	6.75
B (dia.)	1.62	2.13	2.54	3.06	3.44	4.4	6.19
Weight	1.1	1.5	1.9	3.9	4.7	7.7	18.8
CV	7	13	22	39	54	93	180
Cracking Pressure (psi)	0.4	0.3	0.3	0.3	0.2	0.2	0.3

## 3600 CWP

	1/2"	3/4"	1"	2"
A	3.16	3	3.75	6.38
B	1.88	2.33	2.75	4.06
Weight	1.5	3	4.5	12.0
CV	6.0	11	19	65
Cracking Pressure (psi)	0.5	0.4	0.4	0.3



Notes: All dimensions are in inches. Weights are in pounds.

	750 CWP MATERIALS OF CONSTRUCTION	3600 CWP MATERIALS OF CONSTRUCTION
Body	A351 CF8M	A351 CF8M
Seat <sup>(1)</sup>	A351 CF8M	A351 CF8M
Disc	A240 316	A240 316
Spring	Inconel® X-750	Inconel X-750
"O" ring	Zelon (470°F max.)	Zelon (400°F max.) <sup>(2)</sup>

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

2. Buna-N CO<sub>2</sub> resistant "O" ring is available upon request.
3. Maximum temperature for Buna-N.
4. Maximum temperature for Viton® and Zelon w/3600CWP SCV.
5. Maximum temperature for Zelon w/750CWP SCV.
6. Buna-N and Viton are not suitable for steam service.
7. Maximum valve temperature rating is limited by the body seal & seat material selected.
8. 750CWP is rated to 470°F.

PRESSURE TEMPERATURE RATING (PSIG)		
Temp. (deg.F)	750 CWP	3600 CWP
-20 to 100°	750	3600
200	630	3095
250 <sup>(3)</sup>	600	2945
300	570	2795
400 <sup>(4)</sup>	525	2570
470 <sup>(5)</sup>	510	

	BODY "O" RING/SOFT SEAT MATERIALS <sup>(6) (7)</sup>			SPRINGS	
MATERIALS	BUNA-N	VITON	ZELON <sup>(8)</sup>	316SS	INCONEL® X-750
TEMP. °F	-70 TO 250	-40 TO 400	37 TO 400	-460 TO 450	-460 TO 700