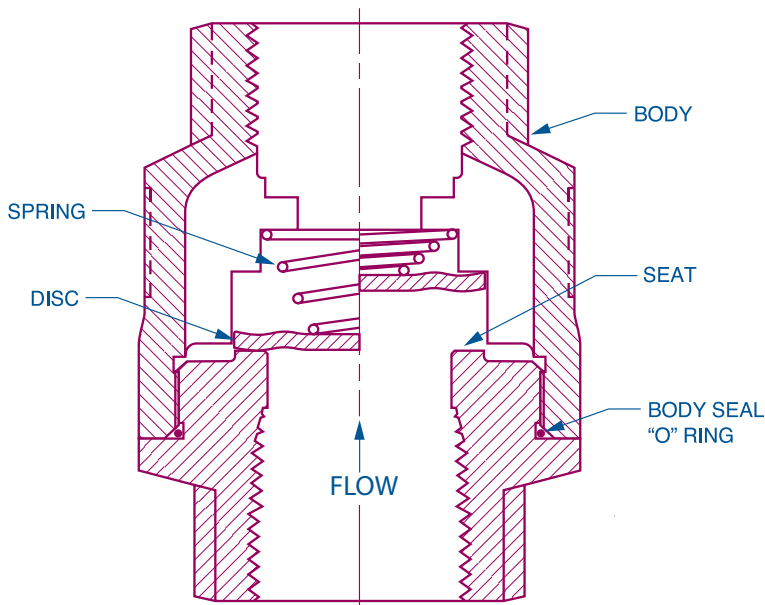


Features:

- 1/2" to 3" Line size
- 750 & 3600 CWP
- NPT & SW ends
- Stainless Steel Construction
- Inconel® X-750 spring
- Spring-assisted silent closing, non-slam
- 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 body & seat (ASME 300)
 - Hastelloy C body & seat (ASME 300)
 - NPT x socket weld ends
 - SCV-R restrictor check (higher cracking pressure)
 - Butt weld ends
 - NACE (Page 33)
 - API 6D



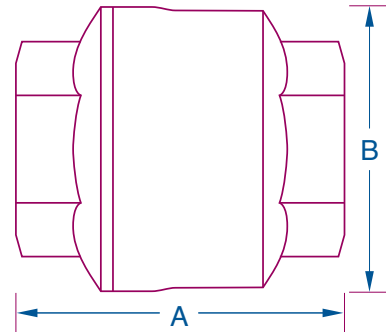
The DFT® Model SCV is a corrosion resistant, dependable, versatile and economical spring-assisted, in-line check valve for a wide range of applications. Whether the fluid is liquid, gas or steam, the SCV provides tight shut-off and protects other equipment in the system from water hammer. Its stainless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

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
CP	0.29	0.24	0.36	0.28	0.24	0.42	0.20

3600 CWP

	1/2"	3/4"	1"	2"
A	3.16	3	3.75	6.38
B	1.88	2.33	2.75	4.31
Weight	1.5	3	4.5	14.0
Cv	6.0	11	19	65
CP	0.62	0.26	0.36	0.36



Notes: All dimensions are in inches. Weights are in pounds.
CP: Cracking Pressure (psig)

	750 CWP MATERIALS OF CONSTRUCTION	3600 CWP MATERIALS OF CONSTRUCTION
Body	A351 CF8M	A351 CF8M
Seat (1)	A351 CF8M	A351 CF8M
Disc	A240 316	A240 316
Spring	Inconel® X-750	Inconel X-750
Body Seal	Standard: Zelon (470°F max.)	Zelon (400°F max.) (2)
	Option: Body seal weld (700°F max.)	Body seal weld (700°F max.)

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 CO₂ resistant "O" ring is available upon request.
3. ASME B16.34-2004
4. Maximum temperature for Buna-N.
5. Maximum temperature for Viton® and Zelon w/3600CWP SCV.
6. Maximum temperature for Zelon w/750CWP SCV.
7. **Buna-N and Viton are not suitable for steam service.**
8. Maximum valve temperature rating is limited by the body seal & seat material selected.
9. 750CWP is rated to 470°F.

PRESSURE TEMPERATURE RATING (PSIG) ⁽³⁾				
	A351 CF8M		Alloy 20 (CN7M)	Hastelloy C (CW-12MW)
Temp. (°F)	750 CWP	3600 CWP	ASME 300	ASME 300
-20 to 100°	750	3600	600	600
200	645	3095	520	550
250 ⁽⁴⁾	610	2945	490	535
300	580	2795	465	520
400 ⁽⁵⁾	535	2570	420	490
470 ⁽⁶⁾	510			

MATERIALS	BODY "O" RING/SOFT SEAT MATERIALS (7) (8)				SPRINGS	
	BUNA-N	EPDM	VITON TFE® - VITON	ZELON®(9)	316 SS	INCONEL® X-750
TEMP. °F	-70 to 250	-75 to 300	-40 to 400	37 to 400	-460 to 450	-460 to 700