

Subsea Check Valves

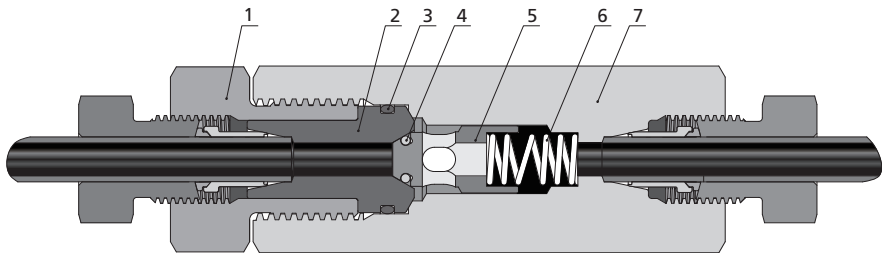
Features

- Working pressure up to 20,000 psig (1379 bar)
- Maximum external pressure: 6,000 psig (414 bar)
- Cracking pressure: 14 to 26 psig (0.97 to 1.79 bar)
- NBR O-ring for operation from -10 to 250°F (-23 to 121°C); other O-ring materials available
- High tensile 316 stainless steel for valve body
- NACE MR0175 optional
- Provides unidirectional flow and tight shut-off for liquids and gases with high reliability. When differential drops below cracking pressure, valve shuts off (not for use as relief valve)
- Soft seat seal ring style or metal-to-metal seat poppet style available
- Maximum water depth: 13,800 ft. (4200 m)



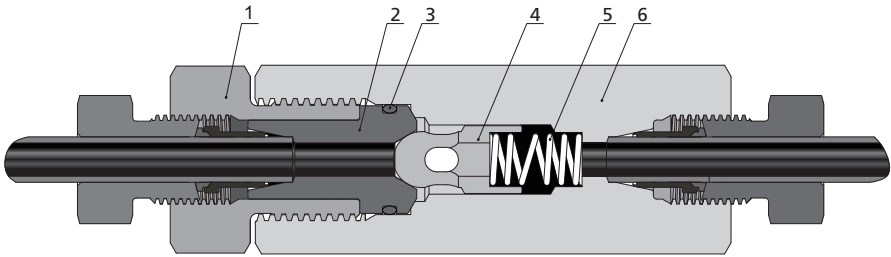
Standard Materials of Construction

SC Series



Item	Component	Material Grade
1	Cover Gland	316SS
2	Cover	316SS
3	Seal Ring	NBR
4	Seal Ring	NBR
5	Ball Poppet	316SS
6	Spring	304SS
7	Valve Body	316SS

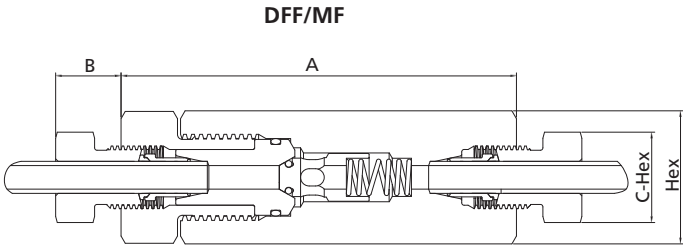
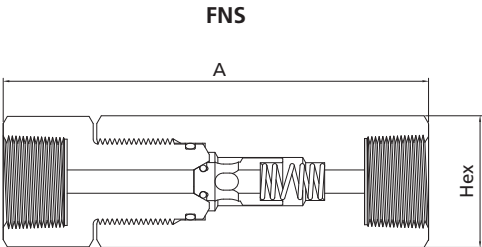
SCO Series



Item	Component	Material Grade
1	Cover Gland	316SS
2	Cover	316SS
3	Seal Ring	NBR
4	Ball Poppet	S17400SS
5	Spring	304SS
6	Valve Body	316SS

Wetted components listed in italics.

Ordering Information and Dimensions

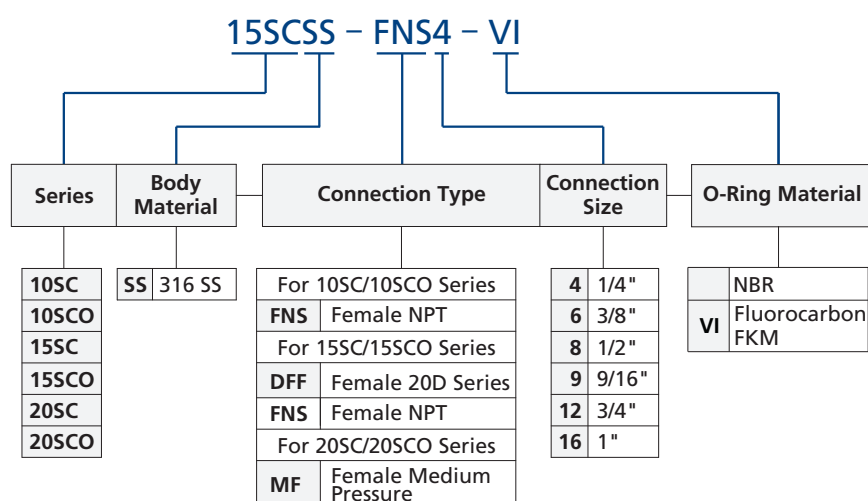


Ordering Number	Connection	Orifice Size in. (mm)	Cv	Dimensions, in. (mm)				Working Pressure psig (bar)
				A	B	C-Hex	Hex	
10SCSS-FNS12	FNS12	0.52 (13.21)	4.70	6.11 (155.19)	—	—	1.75 (44.45)	10,000 (690)
10SCSS-FNS16	FNS16	0.69 (17.53)	7.40	7.32 (185.93)	—	—	1.88 (47.75)	
10SCOSS-FNS12	FNS12	0.52 (13.21)	4.70	6.11 (155.19)	—	—	1.75 (44.45)	
10SCOSS-FNS16	FNS16	0.69 (17.53)	7.40	7.32 (185.93)	—	—	1.88 (47.75)	
15SCSS-DFF4	DFF4	0.188 (4.78)	0.63	3.43 (87.12)	0.52 (13.21)	0.63 (16.00)	0.81 (20.57)	15,000 (1034)
15SCSS-DFF6	DFF6	0.250 (6.35)	1.70	3.82 (97.03)	0.53 (13.46)	0.75 (19.05)	1.00 (25.40)	
15SCSS-DFF8	DFF8	0.36 (9.12)	2.30	4.55 (115.57)	0.60 (15.24)	0.93 (23.62)	1.38 (35.05)	
15SCOSS-DFF4	DFF4	0.188 (4.78)	0.63	3.43 (87.12)	0.53 (13.46)	0.63 (16.00)	0.81 (20.57)	
15SCOSS-DFF6	DFF6	0.250 (6.35)	1.70	3.82 (97.03)	0.53 (13.46)	0.75 (19.05)	1.00 (25.40)	
15SCOSS-DFF8	DFF8	0.36 (9.12)	2.30	4.55 (115.57)	0.60 (15.24)	0.93 (23.62)	1.38 (35.05)	
15SCSS-FNS4	FNS4	0.12 (3.05)	0.28	3.43 (87.12)	—	—	0.94 (23.81)	

Ordering Information and Dimensions (continued)

Fittings	Ordering Number	Connection	Orifice Size in. (mm)	Cv	Dimensions, in. (mm)				Working Pressure psig (bar)
					A	B	C-Hex	Hex	
Tubing	15SCSS-FNS6	FNS6	0.22 (5.59)	0.84	3.82 (97.03)	—	—	1.13 (28.58)	15,000 (1034)
	15SCSS-FNS8	FNS8	0.36 (9.12)	2.30	4.55 (115.57)	—	—	1.38 (35.05)	
	15SCOSS-FNS4	FNS4	0.12 (3.05)	0.28	3.43 (87.12)	—	—	0.94 (23.81)	
	15SCOSS-FNS6	FNS6	0.22 (5.59)	0.84	3.82 (97.03)	—	—	1.13 (28.58)	
	15SCOSS-FNS8	FNS8	0.36 (9.12)	2.30	4.55 (115.57)	—	—	1.38 (35.05)	
Quick Couplings	20SCSS-MF4	MF4	0.125 (3.18)	0.28	2.94 (74.68)	0.38 (9.65)	0.50 (12.70)	0.81 (20.57)	20,000 (1379)
	20SCSS-MF6	MF6	0.218 (5.54)	0.84	3.34 (84.84)	0.44 (11.18)	0.62 (15.75)	1.00 (25.40)	
	20SCSS-MF9	MF9	0.359 (9.12)	2.30	4.35 (110.49)	0.55 (13.97)	0.94 (23.81)	1.38 (35.05)	
	20SCSS-MF12	MF12	0.516 (13.11)	4.70	5.50 (139.70)	0.62 (15.75)	1.19 (30.23)	1.75 (44.45)	
	20SCSS-MF16	MF16	0.688 (17.48)	7.40	7.07 (179.59)	0.74 (18.80)	1.38 (35.05)	2.12 (53.85)	
Line Filters	20SCOSS-MF4	MF4	0.125 (3.18)	0.28	2.94 (74.68)	0.38 (9.65)	0.50 (12.70)	0.81 (20.57)	
	20SCOSS-MF6	MF6	0.218 (5.54)	0.84	3.12 (79.25)	0.47 (11.94)	0.62 (15.75)	1.00 (25.40)	
	20SCOSS-MF9	MF9	0.359 (9.12)	2.30	4.18 (106.17)	0.53 (13.46)	0.94 (23.81)	1.38 (35.05)	
	20SCOSS-MF12	MF12	0.516 (13.11)	4.70	5.50 (139.70)	0.62 (15.75)	1.19 (30.23)	1.75 (44.45)	
	20SCOSS-MF16	MF16	0.688 (17.48)	7.40	6.63 (168.40)	0.72 (18.29)	1.38 (35.05)	2.12 (53.85)	

Ordering Number Description



- Notes: 1. For more details regarding 20D Series and Medium Pressure connections, please see **Connection Information** on A-02.
2. "Ordering Number Description" is a reference to understand the combination rules of FITOK product part number. Not all combinations are available.
3. Please contact FITOK Group or our authorized distributors for more information on wetted materials (Eg: 2507 SD), seal materials and operational designs to fulfill your application requirements.

Designator	O-Ring Material	Working Temperature Range, °F(°C)
	NBR	-10 to 250 (-23 to 121)
VI	Fluorocarbon FKM	0 to 400 (-17.8 to 204)