



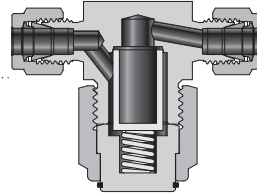
Filters

F Series

Contents

Tee-Type Filter (F1 Series)

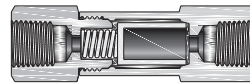
- ❖ Maximum working pressure up to 6000 psig (413 bar)
- ❖ Working temperature from -20°F to 900°F (-28°C to 482°C)
- ❖ End connection sizes from 1/8 to 1/2 in. and 6 to 12 mm
- ❖ Filter element can be replaced without removing body from system



4-40

Inline Filters (F2 Series)

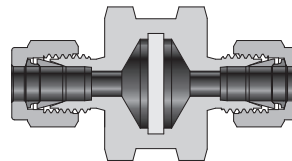
- ❖ Maximum working pressure up to 3000 psig (207 bar)
- ❖ Working temperature from -20°F to 900°F (-28°C to 482°C)
- ❖ End connection sizes from 1/8 to 1/2 in. and 6 to 12 mm
- ❖ Filter element can be replaced without removing body from system



4-44

All-Welded Inline Filters (F3 Series)

- ❖ Maximum working pressure up to 6000 psig (413 bar)
- ❖ Working temperature from -20°F to 900°F (-28°C to 482°C)
- ❖ End connection sizes from 1/8 to 1/2 in. and 6 to 12 mm
- ❖ Filter element can be replaced without removing body from system



4-47

Tee-Type Filter

F1 Series

Features

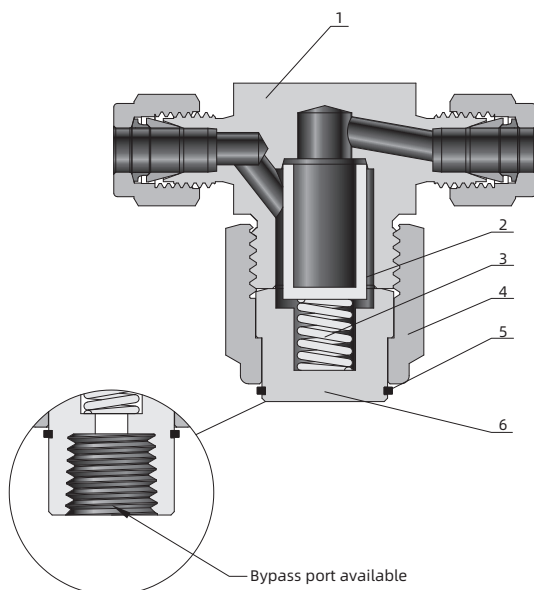
- ❖ Filter element replaceable without removing body filter from installation
- ❖ Optional bypass enables a continuous self cleaning flow around the element
- ❖ Nominal pore sizes for sintered element: 0.5, 2, 7, 15, 40, 60 and 90 µm
- ❖ Nominal pore sizes for strainer element: 100, 150, 250 and 450 µm
- ❖ Maximum working pressure up to 6000 psig (413 bar)
- ❖ Working temperature from -20°F to 900°F (-28°C to 482°C)
- ❖ Stainless steel and brass construction
- ❖ Variety of end connections



Pressure vs. Temperature

Material	316 S.S.	Brass
Temperature, °F(°C)	Working Pressure, psig (bar)	
-20 (-28) to 100 (37)	6000 (413)	2000 (137)
200 (93)	5160 (355)	1730 (119)
300 (148)	4660 (321)	1470 (101)
400 (204)	4280 (294)	—
500 (260)	3980 (274)	—
600 (315)	3760 (259)	—
650 (343)	3700 (254)	—
700 (371)	2600 (248)	—
750 (398)	3520 (242)	—
800 (426)	3460 (238)	—
850 (454)	3380 (232)	—
900 (482)	3280 (225)	—

Standard Materials of Construction



Component		Material Grade/ASTM Specification
		316 S.S.
1	Body	316 S.S. / A479
2	Element	Sintered 316 S.S. or strainer 316 S.S.
3	Spring	304 S.S. / A313
4	Bonnet Nut	316 S.S. / A479
5	Retaining Ring	316 S.S. / A276
6	Bonnet	316 S.S. / A479

Maximum Differential Pressure of Clean Filter at 70°F (20°C)

Maximum Differential Pressure psig (bar)										
0.5 micron	2 micron	7 micron	15 micron	40 micron	60 micron	90 micron	100 micron	150 micron	250 micron	450 micron
2250 (155.2)	2250 (155.2)	1950 (134.5)	1750 (120.3)	1150 (79.3)	1150 (79.3)	1000 (68.9)	1000 (68.9)	1000 (68.9)	1000 (68.9)	1000 (68.9)

Filter element parameters

Nominal Pore Size µm	Pore Size Range µm	Element Type	Element Designator
0.5	0.5 to 2	Sintered	S05
2	1 to 4		S2
7	5 to 10		S7
15	11 to 25		S15
40	35 to 53		S40
60	50 to 75		S60
90	75 to 100		S90
100	—	Strainer	T100
150	—		T150
250	—		T250
450	—		T450

Kit-filter element

- ❖ The Kit-filter element can be purchased separately, Select a basic kit ordering number and add an element designator.
- ❖ Example: **F1-E4-S05-316**.

Filter Series	Kit Ordering Number
4	F1-E4-(Element Designator)-316
8	F1-E8-(Element Designator)-316

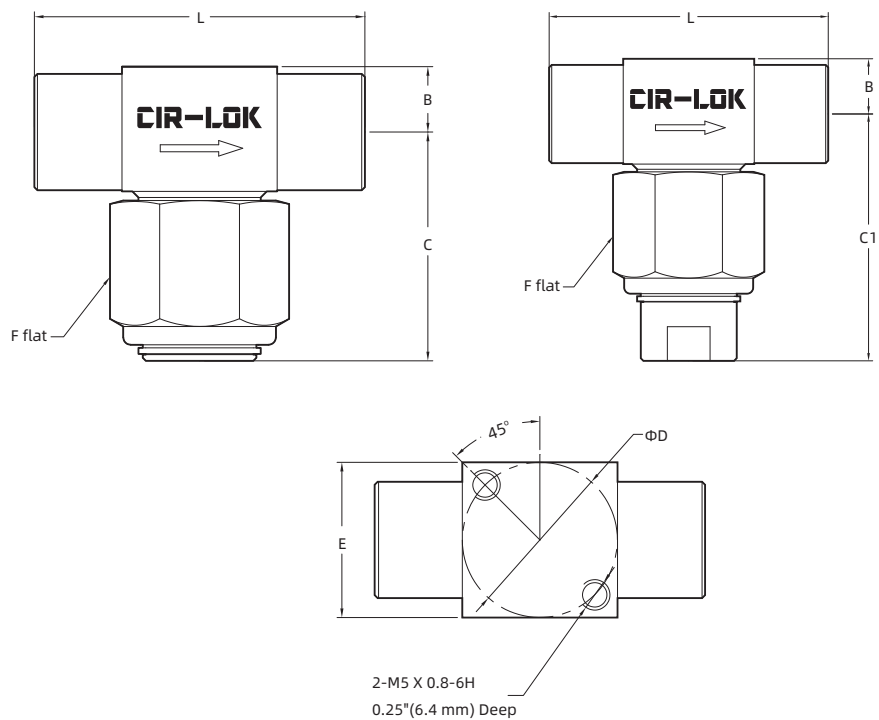
- ❖ See Filter element parameters tables, for filter series information.

Flow Data at 70°F (20°C)

Filtration Area Type	Element Nominal Pore Size(µm)	Element Type	Inlet Pressure ^① , psig(bar)			Pressure Drop, psig(bar)		
			5(0.34)	10(0.68)	15(1)	10(0.68)	50(3.4)	100(6.8)
			Air Flow, std ft ³ /min(std L/min)			Water Flow, U.S. gal/min (L/min)		
2	0.5	Sintered	0.04(1.1)	0.06(1.7)	0.12(3.4)	0.01(0.03)	0.17(0.64)	0.29(1.0)
	2		0.2(5.6)	0.4(11)	0.6(17)	0.08(0.3)	0.24(0.91)	0.40(1.5)
	7		0.5(14)	0.9(25)	1.2(34)	0.1(0.37)	0.3(1.1)	0.48(1.8)
	15		0.8(22)	1.3(36)	1.5(41)	0.12(0.45)	0.36(1.3)	0.58(2.1)
	40		1.4(39)	1.8(50)	2.2(62)	0.14(0.52)	0.4(1.5)	0.60(2.2)
	60		1.7(48)	2.2(62)	2.4(68)	0.15(0.56)	0.5(1.8)	0.60(2.2)
	90		1.8(51)	2.2(62)	2.6(73)	0.20(0.75)	0.5(1.8)	0.70(2.6)
	100, 150, 250, 450	Strainer	1.8(51)	2.2(62)	2.6(73)	0.20(0.75)	0.5(1.8)	0.70(2.6)
4	0.5	Sintered	0.12(3.4)	0.26(7.3)	0.48(13)	0.04(0.15)	0.17(0.64)	0.29(1.0)
	2		0.6(17)	1.4(39)	2.3(65)	0.24(0.90)	0.86(3.2)	1.3(4.9)
	7		1.2(34)	2.9(82)	4.7(130)	0.4(1.5)	1.3(4.9)	2.0(7.5)
	15		1.4(39)	2.9(82)	4.7(130)	0.5(1.8)	1.3(4.9)	2.1(7.9)
	40		2.7(76)	5.4(150)	7.9(220)	0.7(2.6)	2.4(9.0)	3.3(12.5)
	60		3.1(87)	5.9(160)	8.5(240)	0.8(3.0)	2.7(10)	3.9(14)
	90		4.1(110)	7.5(210)	10(280)	1.1(4.1)	3.4(12)	4.9(18)
	100, 150, 250, 450	Strainer	4.7(130)	8.8(250)	12(340)	1.2(4.5)	4.2(15)	5.7(21)
8	0.5	Sintered	0.36(10)	0.86(24)	1.6(45)	0.09(0.34)	0.4(1.5)	0.76(2.8)
	2		1.4(39)	2.8(79)	4.0(110)	0.26(0.98)	1.1(4.1)	1.6(6.0)
	7		1.8(51)	4.2(119)	6.8(190)	0.64(2.4)	2.2(8.3)	3.5(13)
	15		1.8(51)	4.9(130)	7.9(220)	0.84(3.1)	2.6(9.8)	4.1(15)
	40		4.0(113)	8.1(229)	11(311)	1.3(4.9)	4.0(15)	6.0(22)
	60		5.1(140)	10(280)	15(420)	1.5(5.6)	4.8(18)	6.7(25)
	90		6.1(170)	11(310)	16(450)	1.7(6.4)	5.5(20)	7.6(28)
	100, 150, 250, 450	Strainer	7.2(200)	14(390)	20(560)	2.4(9.0)	7.2(27)	10(37)

① Outlet is discharged to atmosphere.

Dimensions



Basic Ordering Number	Connection Type and Size	Orifice in.(mm)	Filter Series	Dimension, in. (mm)						
				L	B	C	C1	ΦD	E	F
F1-F2-	1/8" Tube Fitting	0.094(2.39)	4	2.27(57.7)	0.38(9.7)	1.49(37.8)	2.34(59.5)	1.00(25.4)	1.00(25.4)	1.00(25.4)
F1-F4-	1/4" Tube Fitting	0.174(4.41)	4	2.47(62.7)			2.43(61.8)			
F1-F6-	3/8" Tube Fitting	0.213(5.41)	8	2.84(72.1)	0.46(11.7)	1.74(44.2)	2.77(70.5)	1.13(28.7)	1.13(28.7)	1 1/8(28.6)
F1-F8-	1/2" Tube Fitting	0.250(6.35)	8	3.04(77.2)			2.87(73.1)			
F1-M6-	6mm Tube Fitting	0.174(4.41)	4	2.46(62.5)	0.38(9.7)	1.49(37.8)	2.71(68.9)	1.00(25.4)	1.00(25.4)	1.00(25.4)
F1-M8-	8mm Tube Fitting	0.213(5.41)	8	2.84(72.1)			2.74(69.8)			
F1-M10-	10mm Tube Fitting	0.250(6.35)	8	2.86(72.6)	0.46(11.7)	1.74(44.2)	2.78(70.8)	1.13(28.7)	1.13(28.7)	1 1/8(28.6)
F1-M12-	12mm	0.250(6.35)	8	3.04(77.2)			2.88(73.2)			
F1-FSW4-	1/4" FSW	0.174(4.41)	4	1.68(42.7)	0.38(9.7)	1.49(37.8)	—	1.00(25.4)	1.00(25.4)	1.00(25.4)
F1-FSW6-	3/8" FSW	0.174(4.41)	4							
F1-FBW4-	1/4" FBW	0.174(4.41)	4							
F1-FBW6-	3/8" FBW	0.174(4.41)	4							
F1-FNPT2-	1/8" Female NPT	0.094(2.39)	4	2.00(50.8)	0.46(11.7)	1.74(44.2)	2.22(46.7)	1.13(28.7)	1.13(28.7)	1 1/8(28.6)
F1-FNPT4-	1/4" Female NPT	0.174(4.41)	4	2.13(54.1)			2.31(47.8)			
F1-NPT4-	1/4" male NPT	0.174(4.41)	4	2.38(60.5)	0.53(13.5)	1.81(46.0)	—	1.00(25.4)	1.00(25.4)	1.00(25.4)
F1-NPT6-	3/8" male NPT	0.213(5.41)	8							
F1-NPT8-	1/2" male NPT	0.250(6.35)	8	2.75(69.9)	0.63(16.0)	1.91(48.5)	—	1.13(28.7)	1.13(28.7)	1 1/8(28.6)
F1-GFS4-	1/4" VCR	0.174(4.41)	4	2.30(58.4)						
F1-GFS8-	1/2" VCR	0.250(6.35)	8	2.55(64.8)	0.46(11.7)	1.74(44.2)	—	1.00(25.4)	1.00(25.4)	1.00(25.4)
F1-FBP4-	1/4" Female BSPP	0.174(4.41)	4	2.02(51.4)						

How to Order

F1 —

F6 —

M10 —

S90 —

B4 — 316

Filter Series	Inlet Type	Inlet Size	Outlet Type	Outlet Size	Element Type	Element Nominal Pore Size	Bypass Port for F1	Body Material
F1	FNPT Female NPT	2 1/8 in.	Same as inlet type and inlet size		S Sintered	Sintered	None	316 316 S.S.
	NPT Male NPT	4 1/4 in.			T Strainer	05 0.5µm	B2 FNPT2	316L 316L S.S.
	FBT Female BSPT	6 3/8 in. or 6 mm	If outlet and inlet are the same, eliminate the outlet designator		N Filters Without Elements	2 2µm	B4 FNPT4	304 304 S.S.
	MBT Male BSPT	8 1/2 in. or 8 mm				7 7µm	F2 F2	304L 304L S.S.
	FMS Female Metric	10 10 mm				15 15µm	F4 F4	
	MS Male Metric (for BG)	12 3/4 in. or 12 mm				40 40µm	F6 F6	
	FBP Female BSPP	14 14 mm or M14 x 1.5				60 60µm	F8 F8	
	MBP Male BSPP (for BG)	16 1 in. or 16 mm				90 90µm	P4 FBP4	
	F Fractional Tube Fitting	18 18 mm				Strainer		
	M Metric Tube Fitting	20 1 1/4 in. or 20 mm				100 100µm		
	FSW Fractional Tube Socket Weld	22 22 mm or M22 x 1.5				150 150µm		
	FBW Fractional Tube Butt Weld	25 25 mm				250 250µm		
	GFS Male GFS Fitting					450 450µm		

Inline Filters

F2 Series

Features

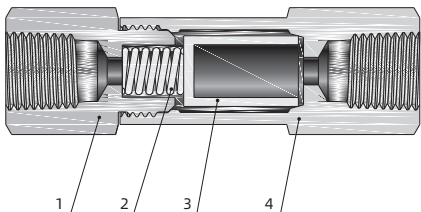
- ❖ Compact inline design
- ❖ Nominal pore sizes for sintered element: 0.5, 2, 7, 15, 40, 60 and 90 µm
- ❖ Nominal pore sizes for strainer element: 100, 150, 250 and 450 µm
- ❖ Maximum working pressure up to 3000 psig (207 bar)
- ❖ Working temperature from -20°F to 900°F (-28°C to 482°C)
- ❖ Variety of end connections



Pressure vs. Temperature

Material	316 S.S.	Brass
Temperature, °F(°C)	Working Pressure, psig (bar)	
-20 (-28) to 100 (37)	3000 (207)	1000 (68.9)
200 (93)	2580 (177)	780 (53.7)
300 (148)	2330 (160)	680 (46.8)
400 (204)	2140 (147)	—
500 (260)	1990 (137)	—
600 (315)	1880 (129)	—
650 (343)	1845 (127)	—
700 (371)	1800 (124)	—
750 (398)	1760 (121)	—
800 (426)	1725 (118)	—
850 (454)	1690 (116)	—
900 (482)	1640 (112)	—

Standard Materials of Construction



Component		Material Grade/ASTM Specification
		316 S.S.
1	Inlet Body	316 S.S. / A479
2	Spring	304 S.S. / A313
3	Element	Sintered 316 S.S. or strainer 316 S.S.
4	Outlet Body	316 S.S. / A479

Maximum Differential Pressure of Clean Filter at 70°F (20°C)

Maximum Differential Pressure psig (bar)										
0.5 micron	2 micron	7 micron	15 micron	40 micron	60 micron	90 micron	100 micron	150 micron	250 micron	450 micron
2250 (155.2)	2250 (155.2)	1950 (134.5)	1750 (120.3)	1150 (79.3)	1150 (79.3)	1000 (68.9)	1000 (68.9)	1000 (68.9)	1000 (68.9)	1000 (68.9)

Filter element parameters

Nominal Pore Size μm	Pore Size Range μm	Element Type	Element Designator
0.5	0.5 to 2	Sintered	S05
2	1 to 4		S2
7	5 to 10		S7
15	11 to 25		S15
40	35 to 53		S40
60	50 to 75		S60
90	75 to 100		S90
100	—	Strainer	T100
150	—		T150
250	—		T250
450	—		T450

Kit-filter element

❖ The Kit-filter element can be purchased separately, Select a basic kit ordering number and add an element designator.

❖ **Example: F2-E2-S05-316.**

Filter Series	Kit Ordering Number
2	F2-E2-(Element Designator)-316
4	F2-E4-(Element Designator)-316
8	F2-E8-(Element Designator)-316

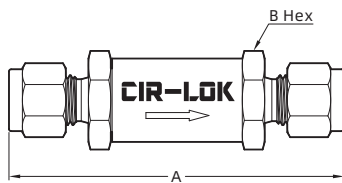
❖ See Filter element parameters tables, for filter series information.

Flow Data at 70°F (20°C)

Filtration Area Type	Element Nominal Pore Size(μm)	Element Type	Inlet Pressure ^① , psig(bar)			Pressure Drop, psig(bar)		
			5(0.34)	10(0.68)	15(1)	10(0.68)	50(3.4)	100(6.8)
			Air Flow, std ft ³ /min(std L/min)			Water Flow, U.S. gal/min (L/min)		
2	0.5	Sintered	0.04(1.1)	0.06(1.7)	0.12(3.4)	0.01(0.03)	0.17(0.64)	0.29(1.0)
	2		0.2(5.6)	0.4(11)	0.6(17)	0.08(0.3)	0.24(0.91)	0.40(1.5)
	7		0.5(14)	0.9(25)	1.2(34)	0.1(0.37)	0.3(1.1)	0.48(1.8)
	15		0.8(22)	1.3(36)	1.5(41)	0.12(0.45)	0.36(1.3)	0.58(2.1)
	40		1.4(39)	1.8(50)	2.2(62)	0.14(0.52)	0.4(1.5)	0.60(2.2)
	60		1.7(48)	2.2(62)	2.4(68)	0.15(0.56)	0.5(1.8)	0.60(2.2)
	90		1.8(51)	2.2(62)	2.6(73)	0.20(0.75)	0.5(1.8)	0.70(2.6)
	100, 150, 250, 450	Strainer	1.8(51)	2.2(62)	2.6(73)	0.20(0.75)	0.5(1.8)	0.70(2.6)
4	0.5	Sintered	0.12(3.4)	0.26(7.3)	0.48(13)	0.04(0.15)	0.17(0.64)	0.29(1.0)
	2		0.6(17)	1.4(39)	2.3(65)	0.24(0.90)	0.86(3.2)	1.3(4.9)
	7		1.2(34)	2.9(82)	4.7(130)	0.4(1.5)	1.3(4.9)	2.0(7.5)
	15		1.4(39)	2.9(82)	4.7(130)	0.5(1.8)	1.3(4.9)	2.1(7.9)
	40		2.7(76)	5.4(150)	7.9(220)	0.8(3.0)	2.8(10.4)	3.7(14)
	60		3.1(87)	5.9(160)	8.5(240)	0.9(3.4)	3.3(12)	4.6(17)
	90		4.1(110)	7.5(210)	10(280)	1.2(4.5)	4.2(15)	6.1(23)
	100, 150, 250, 450	Strainer	4.7(130)	8.8(250)	12(340)	1.7(6.4)	5.6(21)	7.8(29)
8	0.5	Sintered	0.36(10)	0.86(24)	1.6(45)	0.09(0.34)	0.4(1.5)	0.76(2.8)
	2		1.4(39)	2.8(79)	4.0(110)	0.26(0.98)	1.1(4.1)	1.6(6.0)
	7		1.8(51)	4.2(119)	6.8(190)	0.64(2.4)	2.2(8.3)	3.5(13)
	15		1.8(51)	4.9(130)	7.9(220)	0.84(3.1)	2.6(9.8)	4.1(15)
	40		4.0(113)	8.1(229)	11(311)	1.6(6.0)	5.5(20.8)	8.2(31)
	60		5.1(140)	10(280)	15(420)	2.0(7.5)	6.7(25)	10(37)
	90		6.1(170)	11(310)	16(450)	2.3(8.7)	7.6(28)	11(41)
	100, 150, 250, 450	Strainer	7.2(200)	14(390)	20(560)	4.8(18)	15(56)	19(71)

① Outlet is discharged to atmosphere.

Dimensions



Basic Ordering Number	Connection Type and Size	Orifice in.(mm)	Filter Series	Dimension, in. (mm)	
				A	B
F2-F2-	1/8" CIR-LOK	0.094 (2.39)	2	2.35 (59.7)	9/16 (14.3)
F2-F4-	1/4" CIR-LOK	0.187 (4.75)	4	2.95 (74.9)	3/4 (19.0)
F2-F6-	3/8" CIR-LOK	0.281 (7.14)	8	3.21 (81.5)	1 (25.4)
F2-F8-	1/2" CIR-LOK	0.406 (10.3)	8	3.49 (88.6)	
F2-M3-	3 mm CIR-LOK	0.094 (2.39)	2	2.38 (60.5)	9/16 (14.3)
F2-M6-	6 mm CIR-LOK	0.187 (4.75)	4	2.96 (75.2)	3/4 (19.0)
F2-FNPT2-	1/8" Female NPT	0.094 (2.39)	2	2.16 (54.9)	9/16 (14.3)
F2-FNPT4-	1/4" Female NPT	0.187 (4.75)	4	2.87 (72.9)	3/4 (19.0)
F2-NPT2-	1/8" Male NPT	0.094 (2.39)	2	1.88 (47.7)	9/16 (14.3)
F2-NPT4-	1/4" Male NPT	0.187 (4.75)	4	2.69 (68.3)	3/4 (19.0)
F2-GFS2-	1/8" Male GFS	0.094 (2.39)	2	2.79 (70.8)	
F2-GFS4-	1/4" Male GFS	0.187 (4.75)	4		
F2-FBT2-	1/8" Female BSPT	0.094 (2.39)	2	2.16 (54.9)	9/16 (14.3)
F2-FBT4-	1/4" Female BSPT	0.187 (4.75)	4	2.87 (72.9)	3/4 (19.0)
F2-MBT2-	1/8" Male BSPT	0.094 (2.39)	2	1.88 (47.7)	9/16 (14.3)
F2-MBT4-	1/4" Male BSPT	0.187 (4.75)	4	2.69 (68.3)	3/4 (19.0)

How to Order

F2 — **F6** — **M10** — **S90** — **316**

Filter Series	Inlet Type	Inlet Size	Outlet Type	Outlet Size	Element Type	Element Nom-inal Pore Size	Body Material
F2	FNPT Female NPT	2 1/8 in.	Same as inlet type and inlet size If outlet and inlet are the same, eliminate the outlet designator		S Sintered T Strainer Filters N Without Elements	Sintered	316 316 S.S.
	NPT Male NPT	4 1/4 in.				05 0.5µm	316L 316L S.S.
	FBT Female BSPT	6 3/8 in. or 6 mm				2 2µm	304 304 S.S.
	MBT Male BSPT	8 1/2 in. or 8 mm				7 7µm	304L 304L S.S.
	FMS Female ISO 261	10 10 mm				15 15µm	BR Brass
	MS Male ISO 261	12 3/4 in. or 12 mm				40 40µm	
	FBP Female BSPP	14 14 mm or M14 x 1.5				60 60µm	
	MBP Male BSPP	16 1 in. or 16 mm				90 90µm	
	F Fractional Tube Fitting	18 18 mm				Strainer	
	M Metric Tube Fitting	20 1 1/4 in. or 20 mm				100 100µm	
	FSW Fractional Tube Socket Weld	22 22 mm or M22 x1.5				150 150µm	
	FBW Fractional Tube Butt Weld	25 25 mm				250 250µm	
	GFS Male GFS Fitting					450 450µm	

All-Welded Inline Filters

F3 Series

Features

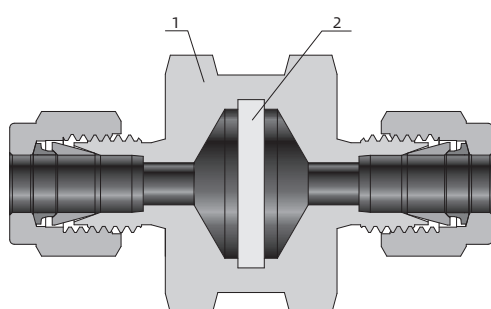
- ❖ All-welded construction prevents bypass flow
- ❖ Large filtration area
- ❖ Inline filters are for use where space is limited
- ❖ Filter is easily cleaned by backflushing
- ❖ Sintered element is available in 0.5, 2, 7, 15, 40, 60 and 90 µm
- ❖ Maximum working pressure up to 6000 psig (413 bar)
- ❖ Working temperature from -20°F to 900°F (-28°C to 482°C)
- ❖ Variety of end connections available



Pressure vs. Temperature

Material	316 S.S.
Temperature, °F(°C)	Working Pressure, psig (bar)
-20 (-28) to 100 (37)	6000 (413)
200 (93)	5160 (355)
300 (148)	4660 (321)
400 (204)	4280 (294)
500 (260)	3980 (274)
600 (315)	3760 (259)
650 (343)	3700 (254)
700 (371)	2600 (248)
750 (398)	3520 (242)
800 (426)	3460 (238)
850 (454)	3380 (232)
900 (482)	3280 (225)

Standard Materials of Construction



Component		Material Grade / ASTM Specification
		316 S.S.
1	Body	316 S.S. / A479
2	Element	Sintered 316 S.S.

Maximum Differential Pressure of Clean Filter at 70°F (20°C)

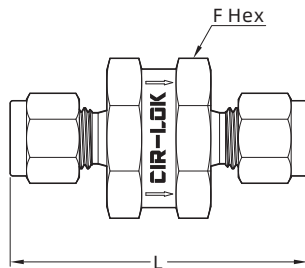
Series	Maximum Differential Pressure psig (bar)						
	0.5 micron	2 micron	7 micron	15 micron	40 micron	60 micron	90 micron
F3	1000 (69)	1000 (69)	1000 (69)	1000 (69)	600 (41.4)	600 (41.4)	600 (41.4)

Flow Data at 70°F (20°C)

End Connections		Element Nominal Pore Size(μm)	Inlet Pressure ^① , psig(bar)			Pressure Drop, psig(bar)		
			5(0.34)	10(0.68)	15(1)	10(0.68)	50(3.4)	100(6.8)
Inlet/Outlet	Size		Air Flow, std ft ³ /min(std L/min)			Water Flow, U.S. gal/min (L/min)		
tube fittings, male VCR fittings	1/4 in. or 6mm	0.5	0.04(1.1)	0.06(1.7)	0.12(3.4)	0.01(0.03)	0.04(0.15)	0.12(0.45)
Female NPT	1/4 in.							
Male NPT, male/female NPT	1/4 in.							

① Outlet is discharged to atmosphere.

Dimensions



Basic Ordering Number	Connection Type and Size	Orifice in. (mm)	Dimension, in. (mm)		
			L	F	
F3-F4-	1/4" CIR-LOK	0.187(4.75)	2.15(54.6)	1 (25.4)	
F3-M6-	6 mm CIR-LOK				
F3-FNPT4-	1/4" Female NPT		0.453(11.5)		1.57(39.9)
F3-NPT4-	1/4" Male NPT	0.281(7.14)	1.89(48.0)		
F3-GFS4-	1/4" Male GFS	0.187(4.75)	2.04(51.8)		
F3-F6-	3/8" CIR-LOK	0.187(4.75)	2.35(59.7)		
F3-M8-	8 mm CIR-LOK				
F3-FNPT6-	3/8" Female NPT	0.453(11.5)	2.15(54.6)		
F3-NPT6-	3/8" Male NPT	0.281(7.14)	2.09(53.1)		
F3-F8-	1/2" CIR-LOK	0.187(4.75)	3.17(80.5)		
F3-M10-	10 mm CIR-LOK				
F3-GFS8-	1/2" Male GFS	0.187(4.75)	2.98(75.7)		

How to Order

F3 — F6 — M10 — S90 — 316

Filter Series	Inlet Type		Inlet Size	Outlet Type	Outlet Size	Element Type	Element Nom- inal Pore Size	Body Material			
F3	FNPT	Female NPT	2	1/8 in.	Same as inlet type and inlet size	S	Sintered	05	0.5µm	316	316 S.S.
	NPT	Male NPT	4	1/4 in.			2	2µm	316L	316L S.S.	
	FBT	Female BSPT	6	3/8 in. or 6 mm			7	7µm	304	304 S.S.	
	MBT	Male BSPT	8	1/2 in. or 8 mm	If outlet and inlet are the same, eliminate the outlet designator		15	15µm	304L	304L S.S.	
	FMS	Female Metric	10	10 mm			40	40µm			
	MS	Male Metric (for BG)					60	60µm			
	FBP	Female BSPP					90	90µm			
	MBP	Male BSPP (for BG)									
	F	Fractional Tube Fitting									
	M	Metric Tube Fitting									
	FSW	Fractional Tube Socket Weld									
	FBW	Fractional Tube Butt Weld									
	GFS	Male GFS Fitting									