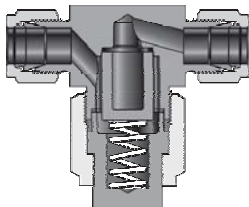


Filters

F1 Series

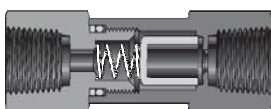


CIR-LOK F1 series filter can be replaced filter element without removing body from system.
0.5, 2, 7, 15, 60, and 90 μm nominal pore sizes sintered elements and 40, 140, 230, and 440 μm nominal pore sizes strainer elements are available.
Maximum working pressure up to 6000 psig (413 bar).
Working temperatures from -20 °F to 900 °F (-29 °C to 482 °C).
Body materials: 316, 304, 316L, 304L, 321/A479, and brass/B16.

Flow Data at 70°F (20°C)

Element Nominal Pore Size μm	Inlet Pressure, psig (bar)			Pressure Drop, psi (bar)		
	5 (0.34)	10 (0.68)	15 (1.0)	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)		
End Connections: Twin ferrule tube fittings F2, FNPT2.						
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)
2	0.20 (5.6)	0.40 (11)	0.60 (17)	0.08 (0.30)	0.24 (0.91)	0.40 (1.5)
7	0.50 (14)	0.90 (25)	1.2 (34)	0.10 (0.37)	0.30 (1.1)	0.48 (1.8)
15	0.80 (22)	1.3 (36)	1.5 (42)	0.12 (0.45)	0.36 (1.3)	0.58 (2.1)
60	1.7 (48)	2.2 (62)	2.4 (68)	0.15 (0.56)	0.50 (1.8)	0.70 (2.6)
90	1.8 (51)	2.2 (62)	2.6 (73)	0.20 (0.75)	0.50 (1.8)	0.60 (2.2)
40, 140, 230, 440	1.8 (51)	2.3 (65)	2.6 (73)	0.20 (0.75)	0.50 (1.8)	0.60 (2.2)
End Connections: Twin ferrule tube fittings F4, FNPT4, MNPT4, GFS4.						
0.5	0.12 (3.4)	0.26 (7.3)	0.48 (13)	0.04 (0.15)	0.17 (0.64)	0.29 (1.0)
2	0.60 (17)	1.4 (39)	2.3 (65)	0.24 (0.90)	0.86 (3.2)	1.3 (4.9)
7	1.4 (39)	2.9 (82)	4.7 (130)	0.40 (1.5)	1.3 (4.9)	2.0 (7.5)
15	1.2 (34)	2.9 (82)	4.7 (130)	0.50 (1.8)	1.3 (4.9)	2.1 (7.9)
60	3.1 (87)	5.9 (160)	8.5 (240)	0.80 (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)
40, 140, 230, 440	4.7 (130)	8.8 (250)	12 (340)	1.2 (4.5)	4.2 (15)	5.6 (21)
End Connections: Twin ferrule tube fittings F6, F8, FNPT6, FNPT8, GFS6, GFS8.						
0.5	0.36 (10)	0.86 (24)	1.6 (45)	0.09 (0.34)	0.40 (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)
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)
40, 140, 230, 440	7.2 (200)	14 (390)	20 (560)	2.4 (9.0)	7.2 (27)	10 (37)

F2 Series

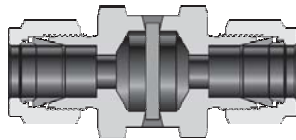


CIR-LOK F2 series filter for use where space is limited.
0.5, 2, 7, 15, 60, and 90 μm nominal pore sizes sintered elements and 40, 140, 230, and 440 μm nominal pore sizes strainer elements are available.
Maximum working pressure up to 3000 psig (206 bar).
Working temperatures from -20 °F to 900 °F (-29 °C to 482 °C).
Body materials: 316, 304, 316L, 304L, 321/A479, and brass/B16.

Flow Data at 70°F (20°C)

Element Nominal Pore Size µm	Inlet Pressure, psig (bar)			Pressure Drop, psi (bar)		
	5 (0.34)	10 (0.68)	15 (1.0)	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)		
End Connections: Twin ferrule tube fittings F2, FNPT2.						
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)
2	0.20 (5.6)	0.40 (11)	0.60 (17)	0.08 (0.30)	0.24 (0.91)	0.40 (1.5)
7	0.50 (14)	0.90 (25)	1.2 (34)	0.10 (0.37)	0.30 (1.1)	0.48 (1.8)
15	0.80 (22)	1.3 (36)	1.5 (42)	0.12 (0.45)	0.36 (1.3)	0.58 (2.1)
60	1.7 (48)	2.2 (62)	2.4 (68)	0.15 (0.56)	0.50 (1.8)	0.70 (2.6)
90	1.8 (51)	2.2 (62)	2.6 (73)	0.20 (0.75)	0.50 (1.8)	0.60 (2.2)
End Connections: Twin ferrule tube fittings F4, FNPT4, NPT4, GFS4.						
0.5	0.12 (3.4)	0.26 (7.3)	0.48 (13)	0.04 (0.15)	0.17 (0.64)	0.29 (1.0)
2	0.60 (17)	1.4 (39)	2.3 (65)	0.24 (0.90)	0.86 (3.2)	1.3 (4.9)
7	1.4 (39)	2.9 (82)	4.7 (130)	0.40 (1.5)	1.3 (4.9)	2.0 (7.5)
15	1.2 (34)	2.9 (82)	4.7 (130)	0.50 (1.8)	1.3 (4.9)	2.1 (7.9)
60	3.1 (87)	5.9 (160)	8.5 (240)	0.90 (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)
40, 140, 230, 440	4.7 (130)	8.8 (250)	12 (340)	1.7 (6.4)	5.6 (21)	7.8 (29)
End Connections: Twin ferrule tube fittings F6, F8, FNPT6, FNPT8, GFS6, GFS8.						
0.5	0.36 (10)	0.86 (24)	1.6 (45)	0.09 (0.34)	0.40 (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)
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)
40, 140, 230, 440	7.2 (200)	14 (390)	20 (560)	4.8 (18)	15 (56)	19 (71)

F3 Series



- Larger filtration area.
- All-welded construction for eliminating leakage.
- Full-penetration weld between body and element to prevent bypass flow.
- 0.5, 2, 7, 15, and 60 µm nominal pore sizes sintered elements are available.
- Maximum working pressure up to 6000 psig (413 bar).
- Working temperatures from -20 °F to 900 °F (-29 °C to 482 °C).
- Body materials: 316, 304, 316L, 304L, 321/A479, and brass/B16.

Flow Data at 70°F (20°C)

End Connections	Element Nominal Pore Size µm	Inlet Pressure, psig (bar)			Pressure Drop, psi (bar)		
		5 (0.34)	10 (0.68)	15 (1.0)	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)		
Twin ferrule tube fittings F4 M6	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)
	2, 7, 15	5.6 (150)	10 (280)	14 (390)	1.7 (6.4)	5.5 (20)	8.3 (31)
FNPT4	4.5 (17)				14 (52)	18 (68)	
NPT4	2, 7, 15				3.5 (13)	11 (41)	14 (52)

How to Order

F1 — F6 — M10 — S80 — 316

Filter Series	Inlet Type	Inlet Size	Outlet Type	Outlet Size	Element Type	Element Nominal Pore Size	Body Material
F1	FNPT Female NPT	2 1/8 in.	Same as Inlet		S Sintered	05 0.5 μm	316
F2	NPT Male NPT	4 1/4 in.			T Strainer	2 2 μm	316L
F3	FBT Female BSPT	6 3/8 in. or 6 mm			7 7 μm	304	
	MBT Male BSPT	8 1/2 in. or 8 mm			15 15 μm	304L	
	FMS Female ISO (for BP)	10 10 mm			40 40 μm	Brass	
	MS Male ISO (for BG)	12 3/4 in. or 12 mm			60 60 μm		
	FBP Female BSPP (for BP)	14 14 mm or M14 x 1.5			80 80 μm		
	MBG Male BSPP (for BG)	16 1 in. or 16 mm			100 100 μm		
	F Fractional Tube Fitting	18 18 mm			150 150 μm		
	M Metric Tube Fitting	20 1 1/4 in. or 20 mm or M20 x 1.5			250 250 μm		
	FSW Fractional Tube Socket Weld	22 22 mm or M22 x 1.5			450 450 μm		
	FBW Fractional Tube Butt Weld	25 25 mm					
	MGFS Male GFS Fitting						