F Series

Universal Filters

Integrating Excellent Performance into Design and Mmanufacturing

Ingersoll Rand's advanced F series compressed air filters effectively reduce contaminants in the air system to protect critical processes and precious instruments & equipment. Through rigorous testing and by integrating excellent components, F series filters can provide high quality compressed air in a long-lasting way.

Superior quality

Without effective filtration, various problems, such as a higher scrap rate, inferior quality products and additional maintenance costs, may occur in the manufacturing and processes of those products relying on compressed air. Our brand new F series filters are designed to solve these problems and ensure that the compressed air system provides high-quality clean compressed air for your equipment.

Higher efficiency

Maintaining a low pressure difference across all compressed air components is crucial for highly-efficient energy systems. Our new F series filters adopts a rigorous engineering design to ensure low pressure difference throughout the available lifetime of the filter element, and are equipped with a differential pressure indicator, which can directly display the cost consumption caused by the pressure difference in the system.

Optimal choice

As every compressed air system has its unique filtration requirements, our all-new F series filters are available in four different filtration grades to provide comprehensive filtration solutions for compressed air in all critical processes.

F Series Universal Filters

Model	Flow		Air interface pipe diameter	Dimensions (mm)		Weight
	m^3/min	m^3/hr	mm	H	W	kg
F series threaded filters						
F42*-E	0.7	42	0.5" BSPT	266	90	1.1
F72*-E	1.2	72	0.5" BSPT	266	90	1.1
F108*-E	1.8	108	0.75" BSPT	300	90	1.4
F216*-E	3.6	216	1" BSPT	420	120	3.2
F294*-E	4.9	294	1.5" BSPT	520	120	5.2
F342*-E	5.7	342	1.5" BSPT	520	120	5.2
F390*-E	6.5	390	1.5" BSPT	520	120	5.2
F444*-E	7.4	444	1.5" BSPT	520	120	5.2
F540*-E	9	540	2" BSPT	730	160	7.6
F690*-E	11.5	690	2" BSPT	730	160	7.6
F810*-E	13.5	810	2" BSPT	730	160	7.6
F990*-E	16.5	990	2.5" BSPT	1010	160	9.5
F1050*-E	17.5	1050	2.5" BSPT	1010	160	9.5
F1170*-E	19.5	1170	2.5" BSPT	1010	160	9.5
F1380*-E	23	1380	3" BSPT	770	200	10.6
F1590*-E	26.5	1590	3" BSPT	770	200	10.6
F1740*-E	29	1740	3" BSPT	1035	200	12.8
F2100*-E	35	2100	3" BSPT	1035	200	12.8
F series flanged filters						
F2340*-E	39	2340	3"FLG	1140	440	76
F2700*-E	45	2700	4"FLG	900	500	91
F3090*-E	51.5	3090	5"FLG	930	500	98
F3480*-E	58	3480	5"FLG	930	500	103
F4080*-E	68	4080	5"FLG	950	540	118
F4200*-E	70	4200	5"FLG	950	540	120
F4560*-E	76	4560	6"FLG	990	560	124
F4800*-E	80	4800	6"FLG	990	560	127
F5520*-E	92	5520	6"FLG	1040	640	132
F5940*-E	99	5940	6"FLG	1040	640	136
F7680*-E	128	7680	6"FLG	1040	640	165
F8700*-E	145	8700	8"FLG	1140	700	228
F10800*-E	180	10800	8"FLG	1160	760	295
F12960*-E	216	12960	8"FLG	1160	760	302
F14400*-E	240	14400	8"FLG	1200	820	335
F18000*-E	300	18000	10"FLG	1250	900	428
F21600*-E	360	21600	10"FLG	1300	940	483
F25200*-E	420	25200	12"FLG	1360	1000	554
F28800*-E	480	28800	14"FLG	1550	1100	766

Notes: 1. Rated working pressure: 7Barg, max. working pressure: 16Barg, working temperature: ＜80°C, with a differential pressure indicator.

2. "*" refers to the filter grades: G, D, H & A

- G: 1μ for moisture removal at an efficiency over 95%, filtering out of water & oil mist above 1μm
- D: 1μ for dust removal, filtering out dust particles above 1 μm
- H: 0.01μ/0.01ppm for oil removal, filtering out particles above 0.01 μm, water & oil mist, and with residual oil content of 0.01ppm@7barg
- A: 0.01μ/0.001ppm for precise oil removal, filtering out particles above 0.01μm, water & oil mist, and with residual oil content of 0.001ppm@7barg