

ELGi™ Premium Filter Series

15 – 1600 Scfm High Efficiency Filters



Only 4 - 7" clearance required for element removal

High Quality Aluminum Construction Castings 100% leak-tested, 300 psig pressure (without auto float drain) and 248°F temperature ratings

Delta-P Gauge (standard) Two-sided DP gauge face is not pressurized. Unique magnetic sensor ensures reliability.

Modular NPT Connections option to bolt up to three filters together with High Nitrile O-ring connection to save space, offer ease with installation and eliminate leaks

Captive Piston Type O-Ring Annular Seal between head and bowl to prevent leaks

Flat Spot to aid bowl removal

External Ribs for easy service / bowl removal

Internal Ribs To secure element in-place and form a quiet-air zone to prevent condensate re-entrainment

Large Capacity Condensate Sump with space to install internal float drain

Automatic Internal Float Drain as standard

Hexagon on Bottom for easy bowl removal

Threaded Side and Bottom Drain Port for external auto or manual drain



Pop-up DP Indicators (optional) Nylon pop-up is available.



Remote Contact DP Alarm (optional) Dry contacts close at 6 psid to send a notification signal to a bell, light, or control panel. Can be field installed.



RING SPANNER
Easy bowl removal.



CONNECTING KITS
Available for models 15-1600 scfm.



MANUAL DRAIN VALVES
Available for all models.



MOUNTING BRACKETS
Allows convenient wall mounting of single or multiple filters.



PORT PLATES
Allows for easy change from standard port size to match larger pipe size and reduce pipe fittings. Prevents costly over sizing of filters to pipe size.



SIDE PORT (65-1600 SCFM)
Side mounting of external auto drain for low clearance applications. Can be used as a separate manual drain or as a vent line connection to an external demand drain mounted to bottom connection.

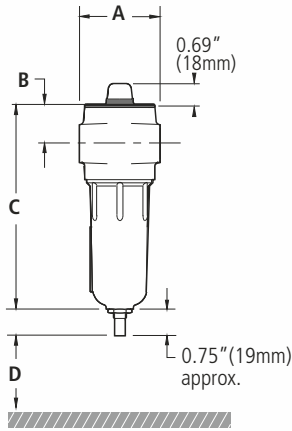
BOTTOM DRAIN ADAPTER PLATE (1000-1600 SCFM)
Removable drain adapter for ease of float drain maintenance. Easy disconnect of external drain when element is changed.

GIVE YOUR BUSINESS THE UPTIME™ ADVANTAGE

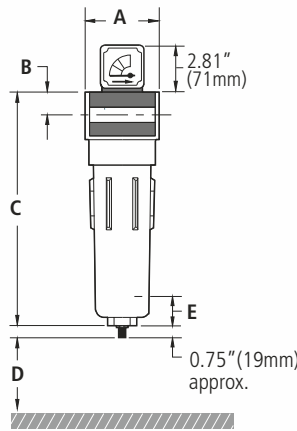
Technical Specification 15 – 1600 scfm

Filter Model	Flow Rate		Dimensions inches (mm)					NPT Connections			Weight lbs	Replacement Filter Element
	scfm	Nm3/h	A	B	C	D	E	In/Out	Side	Bottom**		
E*FP20	15	34	2.83 (72)	1.38 (35)	7.32 (186)	2.95 (75)	N/A	1/4"	N/A	1/4"	1.4	E*FP20E
E*FP30	32	51	2.83 (72)	1.38 (35)	7.32 (186)	2.95 (75)	N/A	3/8"	N/A	1/4"	1.4	E*FP30E
E*FP65	65	110	4.33 (110)	1.50 (38)	10.75 (273)	5.98 (152)	1.30 (33)	1/2"	1/4"	1/4"	5.4	E*FP65E
E*FP75	80	128	4.33 (110)	1.50 (38)	10.75 (273)	5.98 (152)	1.30 (33)	3/4"	1/4"	1/4"	5.4	E*FP75E
E*FP100	100	170	4.33 (110)	1.50 (38)	14.09 (358)	5.98 (152)	1.30 (33)	1"	1/4"	1/4"	6.1	E*FP100E
E*FP150	150	255	4.33 (110)	1.50 (38)	14.09 (358)	5.98 (152)	1.30 (33)	1"	1/4"	1/4"	6.0	E*FP150E
E*FP225	225	382	5.75 (146)	2.01 (51)	19.06 (484)	6.50 (165)	1.65 (42)	1 1/2"	1/2"	1/4"	12.2	E*FP225E
E*FP300	300	510	5.75 (146)	2.01 (51)	19.06 (484)	6.50 (165)	1.65 (42)	1 1/2"	1/2"	1/4"	12.3	E*FP300E
E*FP450	500	765	5.75 (146)	2.01 (51)	19.06 (484)	6.50 (165)	1.65 (42)	2"	1/2"	1/4"	12.3	E*FP450E
E*FP650	650	1105	5.75 (146)	2.01 (51)	26.97 (685)	6.50 (165)	1.65 (42)	2"	1/2"	1/4"	14.8	E*FP650E
E*FP1000	1000	1700	9.06 (230)	2.68 (68)	28.43 (722)	7.01 (178)	1.65 (42)	3"	1/2"	1/4"	40.6	E*FP1000E
E*FP1250	1250	2125	9.06 (230)	2.68 (68)	33.23 (844)	7.01 (178)	1.65 (42)	3"	1/2"	1/4"	44.1	E*FP1250E
E*FP1500	1600	2550	9.06 (230)	2.68 (68)	39.06 (992)	7.01 (178)	1.65 (42)	3"	1/2"	1/4"	48.3	E*FP1500E

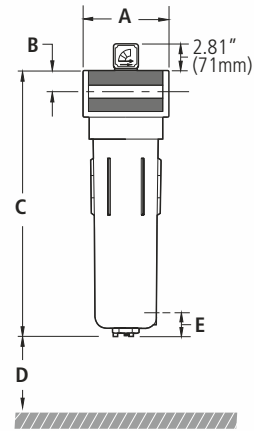
Notes: *Fill in element grade (P, F, C) to appropriate model number. ** With internal float drain removed.



E*FP20 and E*FP30



E*FP65 to E*FP650



E*FP1000 to E*FP1500

Grade	Coalescing Filters		Vapor Filter
	P	F	C
Particle removal	1.0 micron	0.01 micron	0.01 micron
Maximum carryover at 68°F / 20°C	0.1 ppm	0.01 ppm	0.003 ppm
Recommended temperature	100°F / 38°C	100°F / 38°C	77°F / 25°C
Maximum temperature	248°F / 121°C	248°F / 121°C	122°F / 50°C
Pressure drop (clean and dry)	1.0 psid / 70 mbar	1.5 psid / 100 mbar	1.0 psid / 70 mbar
Pressure drop (saturated)	2 psid / 140 mbar	3.0 psid / 210 mbar	N/A
Pressure drop (change element)	6.0 psid / 400 mbar	6.0 psid / 400 mbar	see note
Element media	Borosilicate Glass Microfiber		Carbon impregnated paper
Maximum working pressure	232 psig / 16 barg (300 psig / 20 barg without auto float drain)		
Housing material	High quality aluminum		

Note: Activated charcoal filters must not operate in oil saturated conditions and will not remove certain types of gases including carbon monoxide and carbon dioxide. Change interval depends on application.

Correction Factors

For maximum flow rate, multiply model flow rate shown in the specification chart by the correction factor corresponding to the working pressure. See specifications for maximum pressure. Note: To reduce pressure drop by 50%, reduce flow rate by 30%.

Operating Pressure (psig)	10	20	30	40	50	60	70	80	90	100	110	125	150	175	200	225	250	275	300
Correction Factor	0.32	0.45	0.55	0.64	0.71	0.78	0.84	0.90	0.95	1.00	1.05	1.12	1.22	1.32	1.41	1.49	1.58	1.65	1.73