



FFA SERIES

COMPRESSED AIR FILTERS

High efficiency filtration for clean & technically oil-free compressed air

High efficiency filters

Product Features

FFA Filter Grades

The following filter grades has been developed to cover a complete range of compressed air treatment for various application. Upon request, filters can also be manufactured to customers' requirements.

Grade P

For coarse pre-filtration
Particle removal down to 3 micron

Grade U

For general filtration
Particle removal down to micron,
Oil content down to 0.1 mg/m³ at 20°C

Grade H

For high performance filtration
Particle removal down to 0.01 micron,
Oil content down to 0.0 1mg/m³ at 20°C

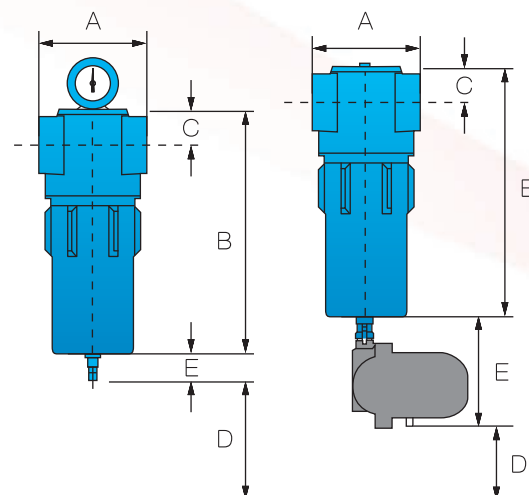
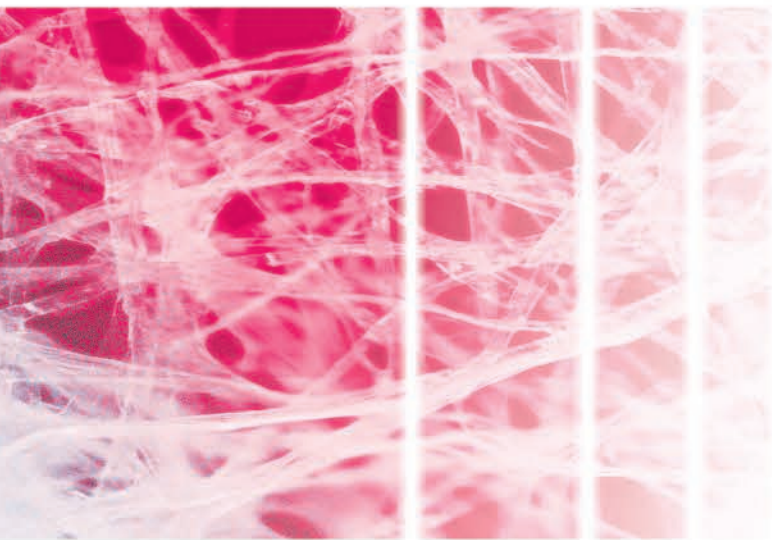
Grade C

Activated Carbon Filter
For removal of oil content down to 0.003 mg/m³ at 20°C
in conjunction with filter Grade H.



Applications





Product selection & technical data

Filter Model	Pipe Size	Capacity at 7 bar g		Max Operating Pressure (bar g)	Approx. weight (kg)	Dimensions(mm)					Replacement Element Model
		m³/min	cfm			A	B	C	D	E	
FFA05	G 1/2	0.66	23	16	1.34	85	154	24	60	41	AEA05
FFA08	G 1/2	0.96	34		1.45	85	195	24	75	41	AEA08
FFA10	G 1/2	1.32	47		1.46	85	195	24	90	41	AEA10
FFA15	G 3/4	1.98	70		1.72	85	255	24	90	41	AEA15
FFA20	G1	3.30	116		4.1	132	285	43	135	41	AEA20
FFA40	G1 1/2	5.70	201		4.52	132	385	43	235	41	AEA40
FFA60	G1 1/2	9.00	318		5.01	132	485	43	335	41	AEA60
FFA75	G1 1/2	13.32	470		7.45	132	685	43	525	41	AEA75
FFA125	G2	17.46	616		10.53	161	687	55	520	140	AEA125
FFA175	G2 1/2	26.16	923		12.58	161	930	55	770	140	AEA175
FFA250	G3	37.50	1324		29.15	252	975	79	610	140	AEA250
FFA300	G3	46.62	1645		32.29	252	1057	79	760	140	AEA300

FUSHENG reserves the right to change specifications without prior notice.

Capacity correction factor for various operating pressure

Pressure	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Factor	0.25	0.38	0.5	0.65	0.75	0.88	1.0	1.13	1.25	1.38	1.51	1.63	1.75	1.88	2.0	2.13

Filter Grade	Particle Removal Down To	Oil Removal Down To*	Nominal Initial Pressure Drop
P	3 micron	–	0.03 bar g
U	1 micron	0.1 mg/m³	0.05 bar g
H	0.01 micron	0.01 mg/m³	0.09 bar g
C	–	0.003 mg/m³	0.10 bar g

* at 20°C

- Maximum recommended operating temperature 60°C
- Minimum recommended operating temperature : 1°C
- Maximum recommended operating pressure : 16 bar g and 50 bar g
- Maximum recommended pressure differential for element change is 0.35 bar g. (Except Grade C)
- Material for FFA threaded type filters is aluminium.
- Filters come complete with auto drain(16 bar) or manual drain (50 bar).



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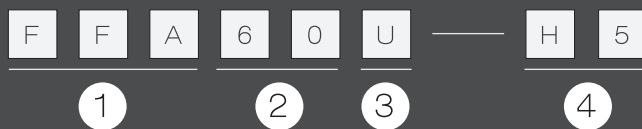
High pressure Filters

Filter Model	Pipe Size	Capacity at 50 bar g		Max Operating Pressure (bar g)	Approx. weight (kg)	Dimensions(mm)					Replacement Element Model
		m ³ /min	cfm			A	B	C	D	E	
FFA05-H5	G 1/2	1.49	52	50	1.34	85	151	24	60	108	AEA05
FFA08-H5	G 1/2	2.16	76		1.45	85	192	24	75		AEA08
FFA10-H5	G 1/2	2.77	105		1.46	85	192	24	90		AEA10
FFA15-H5	G 3/4	4.46	157		1.72	85	263	24	90		AEA15
FFA20-H5	G1	7.43	262		4.1	132	385	43	135		AEA20
FFA40-H5	G1 1/2	12.83	453		4.52	132	380	43	235		AEA40
FFA60-H5	G1 1/2	20.25	715		5.01	132	482	43	335		AEA60

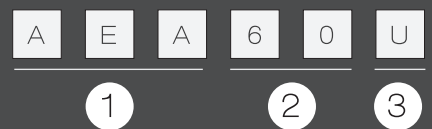
1.FUSHENG reserves the right to change specifications without prior notice.

2.High pressure filters are offered with manual drain as standard without auto drain,differential gauge.

Model of symbol explanation



- ① FFA filter series
- ② Model Number
- ③ Filter grade
- ④ H:High Pressure, 5=50bar



- ① AEA element
- ② Model Number
- ③ Element grade

Accessories

Internal Auto Drain
IAD 316
CODE=13 (FFA5~FFA75)

External Auto Drain
EAD 416
CODE=E4 (FFA125~FFA300)

Differential Pressure Gauge
DP 12 CODE=B



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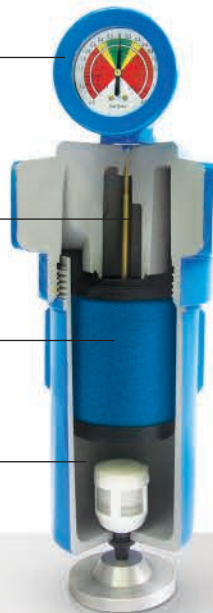
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Differential Pressure Gauge

Aluminium Housing

Pleated Filter Element

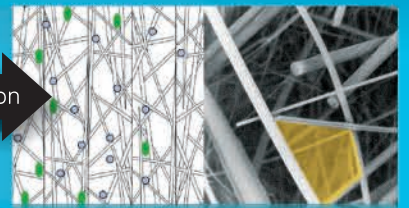
Automatic Condensate Drain



The basic benefits of our FFA series

- Higher effective filtration area.
- Lower pressure drop.
- Ease of renewing element.
- Higher dirt holding capacity.
- Possibility of higher air flow.
- Differential Pressure gauge.
- Anti-rust surface treatment.
- Inner thread design: Lower piping cost and ease to install.

Flow direction





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