

TECHNICAL DATA SHEET

- Product Name:** Airmaster F Series Compressed Air Filters
- Description:** Compressed Air Filters are used on compressed air pipelines to ensure dust,oil and contamination free compressed air. This compressed air is then used as cooling air for sensitive machinery, for pneumatic systems or to obtain breathing air in medical applications.
- Area of Use:** Compressed Air Filters are installed on the pipelines according to their technical specifications and qualifications in compliance with ISO 8573-1 Air Quality Standards
- Body:** Corrosive resistant cast alluminum filter body painted with eletrostatic powder paint.
- Coalescer Element:** Borosilicate micro fiber media secured between two layers of stainless steel perforated metal plates.Plastic upper and lower caps and dubbel component epoxy adhesive guarantee proper fit and
- Sterile Element:** Borosilicate micro fiber media secured between two layers of stainless steel perforated metal plates. Stainless steel upper and lower caps and antibacterial adhesive guarantee proper fit and prevent
- A.Carbon Element:** 250 gr/m2 active carbon filter media secured between two layers of stainless steel perforated metal plates. Plastic upper and lower caps and epoxy adhesive guarantee proper fit and prevent leakage

AIRMASTER COMPRESSED AIR FILTERS TECHNICAL DATA										
MODEL	CAPACITY		CONNECTION	WORK.TEMP.		WORK.PRESS.		FILTER ELEMENT		
	M3/Hr	Lt / min		MAX.	MIN.	MAX.	MIN.	MODEL	REPLACE (hr)	REPLACE ΔP (bar)
F014	87	1.450	1/2"	80 C°	2 C°	16 Bar	2 Bar	EF014	3.500	0,7
F018	108	1.800	3/4"	80 C°	2 C°	16 Bar	2 Bar	EF018	3.500	0,7
F030	180	3.000	1"	80 C°	2 C°	16 Bar	2 Bar	EF030	3.500	0,7
F040	240	4.000	1"	80 C°	2 C°	16 Bar	2 Bar	EF040	3.500	0,7
F060	360	6.000	1 1/2"	80 C°	2 C°	16 Bar	2 Bar	EF060	3.500	0,7
F075	450	7.500	1 1/2"	80 C°	2 C°	16 Bar	2 Bar	EF075	3.500	0,7
F110	660	11.000	1 1/2"	80 C°	2 C°	16 Bar	2 Bar	EF110	3.500	0,7
F160	900	15.000	2"	80 C°	2 C°	16 Bar	2 Bar	EF160	3.500	0,7
F210	1200	20.000	2"	80 C°	2 C°	16 Bar	2 Bar	EF210	3.500	0,7
F300	1800	30.000	3"	80 C°	2 C°	16 Bar	2 Bar	EF300	3.500	0,7
F400	2400	40.000	3"	80 C°	2 C°	16 Bar	2 Bar	EF400	3.500	0,7
F500	3000	50.000	3"	80 C°	2 C°	16 Bar	2 Bar	EF500	3.500	0,7

AIRMASTER	ELEMENT TYPE			OF SERIES	SF SERIES	PF SERIES	CF SERIES	SCF SERIES
	ELEMENT DESCRIPTION			General Purpose Pre Filter	General Purpose	Oil Removal / Fine Filter	Active Carbon Filter	Sterile Filter
	Particle Removal		micron	3	0,1	0,01	-	0,01
	Oil Removal (at 21 C°)		mg/m3	-	0,1	0,01	0,003	0,01
	Pressure Loss/ New Dry Element		mbar	35	60	80	60	80
	Pressure Loss For Element Change		mbar	700	700	700	6 mnths.	700

IMPORTANT DATA:

- * All filters have CE certification and produced according to ISO 9001/2015 Quality Standards System
- * All filters comply with ISO 8573-1 Air Quality Standards
- * All flow rates given above refer to a pressure level of 7 bar. Please use correction factor table for various pressure levels
- * CF Series Filters should only be used with a PF series filter installed on upstream flow.
- * CF Series Filters should only be used at a 40C temperature level
- * CF Series and CSF Series filters should not be used under oil saturated conditions
- * All filters come with a manual drain as standart. Auto drain is available for all models and optional
- * Differential Pressure Gauge is applicable for all filter models and is optional

CORRECTION FACTOR	0,5	0,72	0,87	1	1,06	1,12	1,22	1,32	1,44
BAR	1	3	5	7	8	9	11	13	15
PSI	15	44	73	100	116	131	160	189	218

DIMENSIONS					
MODEL	FILTER CAPACITY		CONNECTION	Q (mm)	H (mm)
	M3/hr	Lt / Min			
F014	87	1.450	1/2"	95	275
F018	108	1.800	3/4"	95	275
F030	180	3.000	1"	120	300
F040	240	4.000	1"	120	300
F060	360	6.000	1 1/2"	120	400
F075	450	7.500	1 1/2"	120	400
F110	660	11.000	1 1/2"	120	565
F160	900	15.000	2"	175	570
F210	1200	20.000	2"	175	695
F300	1800	30.000	3"	210	655
F400	2400	40.000	3"	210	815
F500	3000	50.000	3"	210	980

