

## **AIRMASTER F SERIES COMPRESSED AIR FILTERS:**

In accordance with ISO- 8573.1 : 2010, every compressed air system needs a particular class of air quality. Airmaster manufactures 5 major series of compressed air filters with different norms and offers compressed air filtration solutions for the critical processes with various filter combinations .

### **Airmaster OF Series:**

- General Purpose Filter - Pre-filtering
- Partical Filtration : Up to 3 microns diameter.

### **Applications and Area of Use:**

- Located upstream of Refrigerated Dryers and Vacuum Pumps
- Efficient in dust proof filtering
- General purpose filtration

### **Airmaster SF Series:**

- General Purpose Filter - Dryer Inlet Filter
- Partical Filtration : Up to 0,1 microns diameter.
- Oil Vapour Filtration: 0,1mg/m<sup>3</sup> at 20°C referance temperature

### **Applications and Area of Use:**

- Located upstream of Refrigerated Dryers and Dessicant Dryers
- Efficient in dust and oil vapour proof filtering
- Installed on the lines with pneumatic equipment and pumps

### **Airmaster PF Series:**

- Fine Filter - Dryer Outlet Filter
- Partical Filtration : Up to 0,01 microns diameter.
- Oil Vapour Filtration: 0,01mg/m<sup>3</sup> at 20°C referance temperature

### **Applications and Area of Use:**

- Located downstream of Refrigerated Dryers and Dessicant Dryers
- Very efficient in dust and oil vapour proof filtering
- Installed on lines where spray painting systems, pneumatic conveyors and pumps are connected. Used in food industry, medical and pharmaceutical industries. precision instruments, for breathing air .

### **Airmaster CF Series:**

- Active Carbon Filter
- Odor Filtering - Only used in combination with PF Series
- Oil Vapour Filtration: 0,01mg/m<sup>3</sup> at 20°C referance temperature

### **Applications and Area of Use:**

- Installed downstraem of PF series filters.
- Used in food industry, production and packaging lines
- Used in medical and pharmaceutical areas for breathing air production and equipment



### Airmaster SCF Series:

- Fine Filter
- Partical Filtration : Up to 0,01 microns diameter.
- Oil Vapour Filtration: 0,01mg/m3 at 20°C referance temperature

### Applications and Area of Use:

-Used in food industry, production and packaging lines  
 -Used in medical and pharmaceutical areas for breathing air production and related equipment.

<b>AIRMASTER COMPRESSED AIR FILTER SPECIFICATIONS</b>										
FILTER MODEL	FILTER CAPACITY		CONNECTION	WORKING TEMP.		WORKING PRES.		FILTER ELEMENT CHANGE		
	M3/Hr	Lt / Min		MAX.	MIN.	MAX.	MIN.	MODEL	Hour	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
<b>CORRECTION FACTOR</b>		0,5	0,72	0,87	<b>1</b>	1,06	1,12	1,22	1,32	1,44
BAR		1	3	5	<b>7</b>	8	9	11	13	15
PSI		15	44	73	<b>100</b>	116	131	160	189	218

AIRMASTER	ELEMENT TYPE	UNIT	OF GRADE	SF GRADE	PF GRADE	CF GRADE	SCF GRADE
	ELEMENT DEFINITION		Prefilter	General Purpose Filter	Fine Filter	Active Carbon Filter	Sterile Filter
	Partical Removal	micron	3	0,1	0,01	-	0,01
	Max Oil Carryover at 21 C°	mg/m3	-	0,1	0,01	0,003	0,01
	Initial Pressure Loss (New&Dry)	mbar	35	60	80	60	80
	Pressure Loss for Element Change	mbar	700	700	700	6 months	6 months

Aluminum alloy injection casting filter housing, ensures high quality corrosive resistant precision body.

- Electrostatic body painting enables maximum corrosion protection against all weather conditions.



- All products available with brass manual drain as standart. Float drain and timed drain are optional and installed upon request.

- Differential Pressure Gauge type Indicator is optional and installed upon request

## DIMENSIONS & WEIGHTS

FILTER MODEL	FILTER CAPACITY		CONNECTION	Q (mm)	H (mm)	Weight (kg)
	M3/Hr	Lt / Min				
F014	87	1.450	1/2"	95	275	1,240
F018	108	1.800	3/4"	95	275	1,322
F030	180	3.000	1"	120	300	2,155
F040	240	4.000	1"	120	300	2,214
F060	360	6.000	1 1/2"	120	400	2,396
F075	450	7.500	1 1/2"	120	400	2,416
F110	660	11.000	1 1/2"	120	565	4,100
F160	900	15.000	2"	175	570	6,998
F210	1200	20.000	2"	175	695	8,274
F300	1800	30.000	3"	210	655	9,188
F400	2400	40.000	3"	210	815	10,980
F500	3000	50.000	3"	210	980	12,366

\* Dimensions and weight of the filters refer to the std. models with manual drain and without Diff.Press.Gauge

