

JOURNEY  
OF  
AIR

40-560  
m<sup>3</sup>/min

1413-19776  
cfm

14  
bar



## FLANGED COMPRESSED AIR FILTERS

They filter unwanted substances in the compressed air before they go to the system.



### Advantages

- Simple design to replacement to internal element
- Two external float drains for excellent drainage
- CE and ASME tank options
- Low pressure drop
- Durable epoxy powder coating and rust-preventing anodised interior surface coating
- Strong welds
- Long service life



Model	Capacity		Connection Size	Drain Port Size	Maximum working Pressure bar	Element Model	Number of Elements	Housing Dimensions (mm)				
	m <sup>3</sup> /min	cfm						A	B	C	D	E
F 2400	40,0	1413	DN80	G ½"	14	M1200	2	450	1287	277	747	650
F 3600	60,0	2119	DN100	G ½"	14	M1200	3	450	1317	277	767	650
F 4800	80,0	2825	DN100	G ½"	14	M1200	4	530	1344	279	769	650
F 7200	120,0	4238	DN150	G ½"	14	M1200	6	580	1425	331	769	650
F 9600	160,0	5650	DN150	G ½"	14	M1200	8	650	1439	333	798	650
F 12000	200,0	7063	DN200	G ½"	14	M1200	10	750	1504	345	825	650
F 16800	280,0	9888	DN200	G ½"	14	M1200	14	800	1545	383	833	650
F 19200	320,0	11301	DN250	G ½"	14	M1200	16	850	1583	417	862	650
F 20400	340,0	12007	DN300	G ½"	14	M1200	17	850	1680	447	887	650
F 27600	460,0	16245	DN350	G ½"	14	M1200	23	850	1778	487	917	650
F 33600	560,0	19776	DN350	G ½"	14	M1200	28	850	1778	487	917	650

Specifications	Pre Filtering	General Purpose	Oil Removal	Activated Carbon
Grade	P	X	Y	A
Particle Removal (Micron)	5	1	0,01	0,01
Max. Oil carryover at 21°C (mg/m <sup>3</sup> )	5	0,5	0,01	0,003
Max. working Temperature (°C)	80	80	80	25
Max. working Pressure	16	16	16	16
Initial Pressure loss (mbar)	40	80	100	80
Pressure loss for element change (mbar)	700	700	700	700
Element colour code	WHITE	WHITE	WHITE	METAL SS

#### CORRECTION FACTORS FOR F COMPRESSED AIR FILTER

Operating Pressure (barg)	1	3	5	7	9	11	13	15	16
PSIG	15	44	73	100	131	160	189	218	247
Correction Factor	0,5	0,71	0,87	1	1,12	1,22	1,32	1,44	1,57

F Compressed Air Filter Sizing Example;

If a compressor delivers 140 m<sup>3</sup>/min at 11 bar please choose your Filter model as follow:

140 m<sup>3</sup>/min / 1,22=114,8 m<sup>3</sup>/min your model is F 7200.

#### NOTES

- 1) Grade A must not operate in oil saturated conditions.
- 2) Grade A elements should be replaced periodically to suit the applications but must be changed at least every six months.
- 3) Grade A will not remove certain gases including carbon monoxide and carbon dioxide. Please refer to works if in doubt.
- 4) Flow rates are based on a 7 bar operating Pressure, for flows at other Pressures use correction factor given above.
- 5) All filters are suitable for use with mineral and synthetic oils.
- 6) Other standards for flanged connections are available.
- 7) Direction of air flow, inside to out, through filter element

