

## Fluidair Purification

### Filter Range





# FLUIDAIR

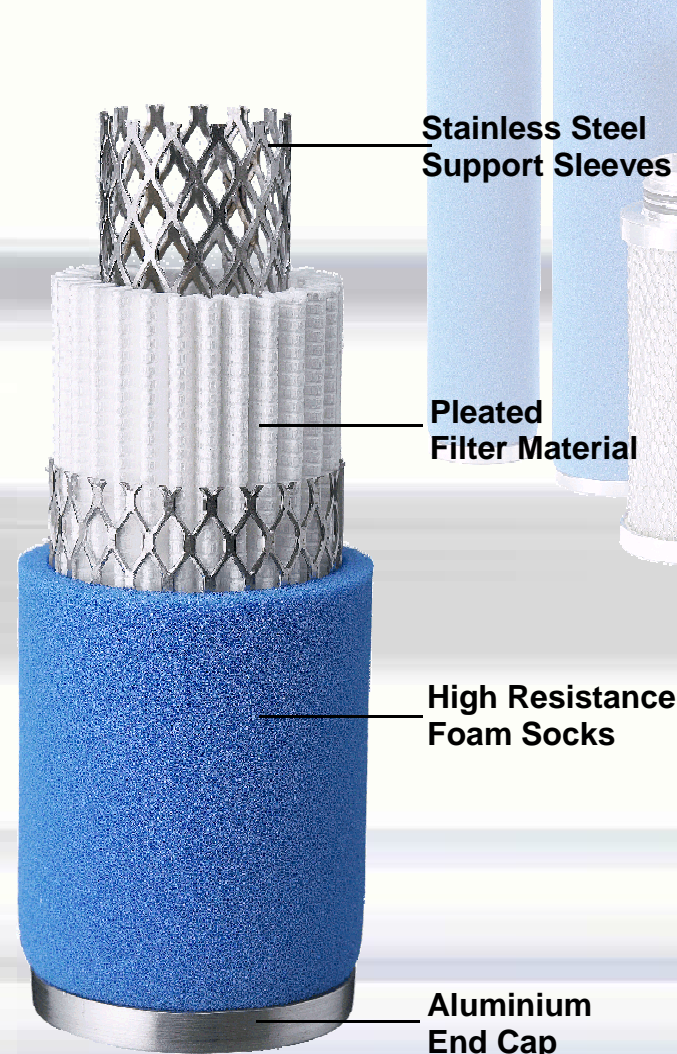
INTERNATIONAL

## Why Filter?

With the escalating popularity with compressed air as an alternative power source in this advanced technological age there is also a similar demand for high quality filters due to the ever-increasing presence of pollutants in the environmental air as well as the introduction of further pollutants in the process of compressing and delivering the air. The pollutant-to-air volume ratio increases tremendously and without proper filtration systems this can ultimately lead to the following problems (which may not be immediately noticeable.):

- Expensive repairs and spare parts replacement for pneumatically controlled systems.
- Low quality end-products resulting in low productivity with high product reject rate.
- Undesirable and frequent machine downtime causing work interruption resulting in inability to meet delivery datelines which may cause loss of sales or necessitate expensive over-time work.

These are just some of the reasons why it makes economical sense to invest in good quality filters-and where else better to begin than FLUIDAIR?



## Our Products

FLUIDAIR has developed a comprehensive range of products which include cast and fabricated mainline compressed air filters. We of course offer various filtration grades to meet the recommendations of ISO8573 for different applications: so it'll be just a matter of finding the suitable one.

Our products are of consistent high quality and use only raw materials from reputable suppliers who are carefully selected to meet our requirements. On top of this, our filter media is pleated to ensure higher filtration area thus enhancing filtration performance.



Cross-sectional diagram of FLUIDAIR element with pleated media



Cross-sectional diagram of other brands of element with rolled media





## Filter Technical Information

Filter Model	Pipe Conn	Capacity at 7 Bar gauge Pressure			Maximum Operating Pressure	Approx Weight (kg)	Dimensions				Replacement Element Model
		(L/s)	(M <sup>3</sup> /min)	(cfm)			A	B	C	D	
FP25	G1/2	11	0.66	23	16	1.3	87	175	21	60	EFP25
FP35	G1/2	16	0.96	34	16	1.4	87	209	21	75	EFP35
FP50	G1/2	22	1.32	47	16	1.4	87	209	21	90	EFP50
FP70	G1/2	33	1.98	70	16	1.7	87	279	21	90	EFP70
FP120	G1	55	3.30	116	16	4.2	130	315	43	135	EFP120
FP200	G1 1/2	95	5.70	201	16	4.8	130	415	43	235	EFP200
FP320	G1 1/2	150	9.00	318	16	5.6	130	515	43	335	EFP320
FP470	G1 1/2	222	13.32	470	16	8.4	130	715	43	525	EFP470
FP620	G2	291	17.46	616	16	11.4	164	823	48	520	EFP620
FP920	G2 1/2	436	26.16	923	16	13.0	164	1073	48	770	EFP920
FP1325	G3	625	37.50	1324	16	20.0	250	1052	74	610	EFP1325
FP1645	G3	777	46.62	1645	16	27.5	250	1202	74	760	EFP1645

### Capacity Correction For Various Operating Pressures

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	10.	1.13	1.25	1.38	1.5	1.63	1.75	1.88	2.0	2.13

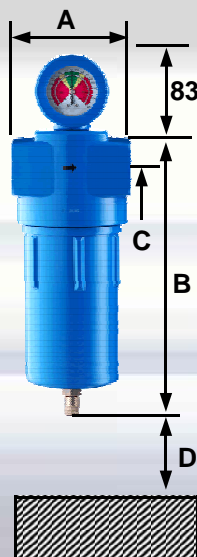
### COMPRESSED AIR TO QUALITY ISO 8573.1

The international standard for compressed air quality provides a simple system of classification for the three main contaminants present in any compressed air system - DIRT, WATER and OIL. To specify the quality class required for a particular application, simply list the class for each contaminant in turn.

Class	Solid Particle Maximum Number of Particles per m <sup>3</sup>			Water pressure dewpoint °C	Oil (incl. Vapour) Mg/M <sup>3</sup>
	0.1-0.5 micron	0.5-1 micron	1.0-5 micron		
1	100	1	0	-70	0.01
2	100,000	1,000	10	-40	0.1
3	—	10,000	500	-20	1
4	—	—	1,000	3	5
5	—	—	20,000	7	—
6	—	—	—	10	—

### GENERAL INFORMATION

Max Recommended operating temp 60°C  
Min Recommended operating temp 1°C  
Max Recommended operating Pressure 16 bar  
Max Recommended Pressure differential for element change 0.6 bar (Except Grade C)  
Material for FP-type filters is aluminium.  
Filters come complete with autodrain.  
Gauges are optional



Filter Grade	Particle Removal Down to	Oil Removal Down to	Nominal Initial Pressure Drop
P	3 micron	—	0.03 bar g
FF	1 micron	0.5mg/m <sup>3</sup>	0.05 bar g
SF	0.01 micron	0.01mg/m <sup>3</sup>	0.09 bar g
C	—	0.003mg/m <sup>3</sup>	0.10 bar g



## **Rotary Screw Air Compressors**

RS 5.5-11  
RS 15-45  
RS 45-75  
RS 75-110  
RS 132-160  
RSV 15-250

## **Air Purification Products**

FRD Refrigerant Dryers  
FDD Desiccant Dryers  
FP Purification Filters  
FCC Condensate Cleaners  
FZD Drains

## **Sales and Service**

UK National Coverage  
Maintenance & Service  
Surveys & Installation

## **Research and Development**

High-Tech Products  
Customer Focused Design  
Specified Industry Requirements

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# [www.fluidair.co.uk](http://www.fluidair.co.uk)

## **Fluidair International Limited.**

Kent Street,  
Bolton,  
Greater Manchester.  
United Kingdom  
BL1 2LN.

Telephone: +(44) 01204 559955  
Fax: +(44) 01204 559966  
Email: [sales@fluidair.co.uk](mailto:sales@fluidair.co.uk)

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