
Airefil S-Series Bag Filters



- **Synthetic media**
- **Ideal for high humidity conditions**
- **Colour-coded for efficiency**
- **Efficiencies from F5 to F9**
- **Extended surface - high capacity**
- **Up to 12 pockets per filter**

S-SERIES Performance Data

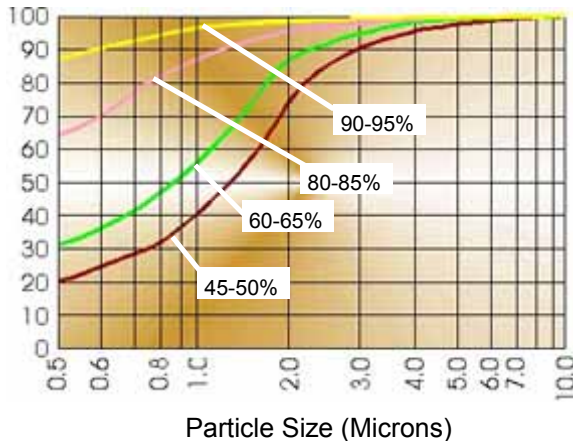
594 (W) x 594 (H) mm filters

Product Code	Efficiency	Depth (mm)	Pockets	Media Area (M ²)	Capacity (L/s)			Pressure Drop (Pa)		
FI1943	>95%	560	8	5.8	470	710	940	80	125	180
FI1885	90-95%	660	12	9.5	710	940	1180	65	90	110
FI1843	90-95%	560	8	5.8	710	940	1180	75	115	150
FI1823	90-95%	560	6	4.5	470	710	940	95	125	145
FI1881	90-95%	380	12	5.5	710	940	1180	80	120	160
FI1785	80-85%	660	12	9.5	710	940	1180	55	75	95
FI1743	80-85%	560	8	5.8	710	940	1180	95	125	160
FI1723	80-85%	560	6	4.5	710	940	1180	85	125	170
FI1781	80-85%	380	12	5.5	710	940	1180	70	105	135
FI1685	60-65%	660	12	9.5	940	1180	1420	40	55	70
FI1623	60-65%	560	6	4.5	710	940	1180	80	105	135
FI1681	60-65%	380	12	5.5	710	940	1180	65	85	110
FI1520	45-50%	560	6	4.5	940	1180	1420	55	70	95
FI1523	45-50%	380	6	3.1	470	710	940	40	55	80

289 (W) x 594 (H) mm filters

Product Code	Efficiency	Depth (mm)	Pockets	Media Area (M ²)	Capacity (L/s)			Pressure Drop (Pa)		
FI1944	>95%	560	4	2.9	240	350	470	80	125	180
FI1886	90-95%	660	6	4.7	350	470	590	65	90	110
FI1844	90-95%	560	4	2.9	350	470	590	75	115	150
FI1824	90-95%	560	3	2.2	240	350	470	95	125	145
FI1882	90-95%	380	6	2.8	350	470	590	80	120	160
FI1786	80-85%	660	6	4.7	350	470	590	55	75	95
FI1744	80-85%	560	4	2.9	350	470	590	95	125	160
FI1724	80-85%	560	3	2.2	350	470	590	85	125	170
FI1782	80-85%	380	6	2.8	350	470	590	70	105	135
FI1686	60-65%	660	6	4.7	470	590	710	40	55	70
FI1624	60-65%	560	3	2.2	350	470	590	80	105	135
FI1682	60-65%	380	6	2.8	350	470	590	65	85	110
FI1521	45-50%	560	3	2.2	470	590	710	55	70	95
FI1524	45-50%	380	3	1.5	240	350	470	40	55	80

Typical Efficiency (Percent)



Colour Coding		
F5	45-50%	Brown
F6	60-65%	Green
F7	80-85%	Pink
F8	90-95%	Yellow
F9	>95%	White

STANDARD HEADERS are 20 mm galvanised steel. Stainless steel headers are optional. Recommended final resistance for all S-Series filters is 250 Pa.

Description

Airefil S-Series Bag Filters are extended surface, high capacity bag filters made from synthetic fibres. Being synthetic, they are not prone to loss of efficiency and shedding of glass fibres in high humidity conditions. The filters are available in a range of efficiencies from F5 to F9 and the media is colour-coded to clearly show the efficiency of the filter.

Quality Construction

Filter media is non-woven multiple layered synthetic microfibre designed for strength, durability and elimination of fibre shedding.

The media is stitched into V-shaped pockets designed to fully inflate and maintain proper spacing between adjacent pockets to allow clean air to exit freely. Micro-computer controlled automatic sewing machines are used for consistent stitching and uniform pocket shape. Each stitch is sealed with a special adhesive to prevent leakage and media shedding.

The pockets are bonded to the corrosion-resistant header frame. All media is glued to metal contact points to ensure product integrity and metal to metal contact is eliminated to prevent air leakage.

Mounting

Options include:
Airefil Filter Frames for front access
PAPWORTH ENGINEERING Side Access Filter Housings.



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Related Products:

- Airefil** Rigid PAK Filters
- Airefil** G3 Bag Filters
- Airefil** Holding Frames
- PAPWORTH ENGINEERING** Filter Housings

Data Sheets:

- E54113
- E54116
- E54134
- E54146