

PRODUCT OVERVIEW

- MERV 11, 14, 15, 16 and FP-R (98% DOP) - wet-laid micro-fiberglass media
- MERV 11, 14, 15 - gradient density synthetic media
- Available options are side gasketing, metal double header, and full metal wrap
- Max Temperature - 150°F
- Ideal for use in
 - Commercial/Industrial
 - Health Care/Government Facilities
 - Desert/Marine Installations
 - Schools/Universities
 - Airports
 - Turbine Applications for synthetic media



AEROSTAR FP and FP-S MINI-PLEAT

WHY THE FP or FP-S MINI-PLEAT?

- Design incorporates 193 square feet of high efficiency fiberglass media and 150 square feet of synthetic media within a 24x24x12 frame increasing dust holding capacity and filter life
- Low pressure drop results in significant energy savings
- Rigid construction allows it to withstand many unfavorable conditions especially variable air volume (VAV) systems and 100% relative humidity
- High impact plastic frame creates an exceptionally strong lightweight filter
- Built-in handle* eases transportation and installation
- Dual direction fiberglass media for front or reverse mount installations
- Maximum flow rate of 750 fpm
- Sustainable component for a LEED/Green Building initiative
- Environmentally friendly
 - No metal corrosion
 - Fully incinerable
 - Reduces landfill waste

* patent #6,955,696

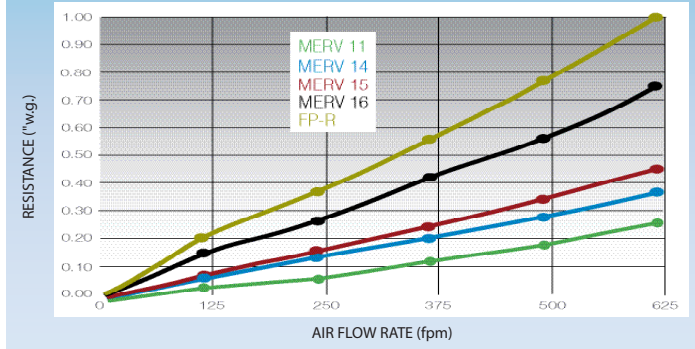


FP and FP-S MINI-PLEAT

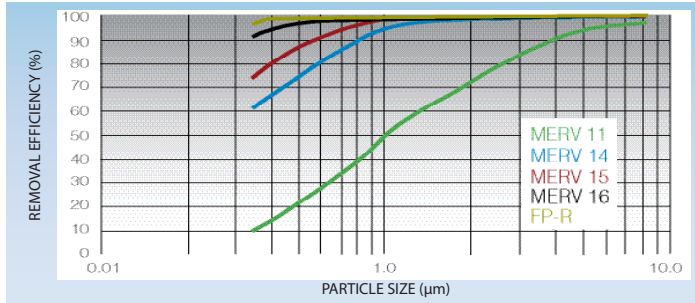
FP PERFORMANCE DATA (24 x 24 x 12)

MEDIA	MERV	INITIAL RESISTANCE ("w.g.)			FINAL RESISTANCE ("w.g.)
		375 fpm	500 fpm	625 fpm	
Fiberglass	11	0.11	0.18	0.26	2.0
	14	0.20	0.28	0.37	2.0
	15	0.24	0.34	0.45	2.0
	16	0.41	0.57	0.75	2.0
	FP-R	0.56	0.77	1.00	2.0

FP – INITIAL RESISTANCE (24 x 24 x 12)



FP – MINIMUM REMOVAL EFFICIENCY (24 x 24 x 12)



PRODUCT DATA

FP (FIBERGLASS MEDIA) – PART NUMBER					NOMINAL SIZE (H" x W" x D")	ACTUAL SIZE (H" x W" x D")	APPROX. WEIGHT (LBS.)	MEDIA AREA (SQ. FT.)
MERV 11	MERV 14	MERV 15	MERV 16	MERV 16 (FP-R)				
40016-P	40039-P	40069-P	40093-P	40117-P	12 x 24 x 12	11 3/8 x 23 3/8 x 11 1/2	5.7	97
40213-P	40156-P	40068-P	40345-P	40346-P	20 x 20 x 12	19 3/8 x 19 3/8 x 11 1/2	8.4	120
40010-P	40033-P	40058-P	40087-P	40111-P	20 x 24 x 12	19 3/8 x 23 3/8 x 11 1/2	9.4	162
40001-P	40023-P	40046-P	40077-P	40102-P	24 x 24 x 12	23 3/8 x 23 3/8 x 11 1/2	11.0	193

FP-S (SYNTHETIC MEDIA) – PART NUMBER			NOMINAL SIZE (H" x W" x D")	ACTUAL SIZE (H" x W" x D")	APPROX. WEIGHT (LBS.)	MEDIA AREA (SQ. FT.)
MERV 11	MERV 14	MERV 15				
42500	42506	42209	12 x 24 x 12	11 3/8 x 23 3/8 x 11 1/2	5.0	63
-	761533-P	763186-P	20 x 20 x 12	19 3/8 x 19 3/8 x 11 1/2	7.0	87
42502	42508	42207	20 x 24 x 12	19 3/8 x 23 3/8 x 11 1/2	8.3	118
45203	42509	42205	24 x 24 x 12	23 3/8 x 23 3/8 x 11 1/2	10.0	150

ENGINEERING SPECIFICATIONS

1.0 General

- Filters shall be Aerostar® FP and FP-S Mini-Pleat filters as manufactured by Filtration Group.
- Filters shall be available in depths of 12" only.
- Underwriters Laboratories classified to UL 900.
- Filters are manufactured by an ISO 9001 registered company.

2.0 Filter Materials of Construction

- Media shall be wet-laid micro-fiberglass or gradient density synthetic media with hot melt or string separators to maintain pleat uniformity and spacing.
- Frame shall be a high impact plastic with built in header on top and bottom.
- Media shall be adhered and sealed to frame with polyurethane to prevent by-pass.
- Frame shall have slopes to allow for moisture and water drainage.

- Filter frames shall have preformed locations for both prefilter clips and final filter clips to be attached.
- Filter frames shall have preformed handles on the air leaving side to aid in installation and to reduce the chances of media damage due to handling.

3.0 Filter Performance

- Filters shall be available as MERV 11, 14, 15, 16 or R for fiberglass media and MERV 11, 14 or 15 for synthetic media as desired by end user when tested in accordance with the ASHRAE 52.2 Test Standard.
- For initial resistance of filters, see Performance Data chart above.
- Filter shall be rated to withstand a continuous operating temperature up to 150°F.
- Filters shall have a recommended final resistance of 2.0" w.g.