Bays 2 & 3 Pattenden Lane, Marden, TN12 9QS. T: 01622 832777 F: 01622 832507

High Performance Multi-Pocket Bag Filter
Grades M5, M6, F7, F8 and F9 to EN779:2002



Applications

The Airclean **multi-pocket bag filter** is a high efficiency filter and is designed for a wide range of air conditioning and general ventilation applications where large volumes of air are to be handled and systems dictate high dust holding capacity coupled with a low resistance.

High performance bag filters are available in five efficiency grades, which gives a choice of characteristics to meet customer requirements for dust holding capacity, efficiencies and pressure loss.

High Performance Bag Filters are generally used for providing a high quality air and are typically used on supply air to buildings, including offices, schools and restaurants. High Performance bag filters are associated with reductions in PM10 (Particulates less than 10 microns) and also PM2.5 (Particulates less than 2.5 microns).

Description

The high performance multi pocket bag filter comprises a corrosion resistant heavy gauge galvanised header frame housing the air filter media which is supported by a copper coated rod assembly and tags, which keep the media pockets in place.

The continuous support down each HVAC Bag Filter pocket prevents them from blinding each other when inflated. *Synthetic Air Filter Media (HPS), supplied as standard in Airclean Bag Filters is a non woven polyester fabric, ultrasonically welded to form the multi pocket design of the bags.

Technical

Filter Classification:
HPS 5 Bag - M5 to EN779 Brown
HPS 6 Bag - M6 to EN779 Green
HPS 7 Bag – F7 to EN779:2002 , 80% Eff. At 0.4µm Pink
HPS 8 Bag – F8 to EN779:2002 , 90% Eff. At 0.4µm Yellow
HPS 9 Bag – F9 to EN779:2002 , 95% Eff. At 0.4µm Off White

For F7, F8 and F9 to EN779:2012 please contact sales about Glass HP Bag Filters, Rigid Bag Filters, or High Performance Rigid Pleat Filters.

Maximum Operating Temperature : 100°C (212°F)
Media Fire Rating :- DIN 53438-3 (F1)

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HIGH PERFORMANCE BAG FILTERS STANDARD SIZES

Size					Part Numbers				
H x W Nominal (actual)	Bag Length		Pockets	Flow Rate m^3/s	M5 to EN779 Tan/White	F6 to EN779 Green	F7 to EN779 Clean 80 Pink	F8 to EN779 Clean 90 Yellow	F9 to EN779 Clean 95 White
	inch	mm							
24 x 12 (594 x 292mm)	15	375	3	0.29	1440990	1440200	1440210	1440220	1440230
	23	550	3	0.47	1440993	1440203	1440213	1440223	1440233
	30	750	3	0.59	1440996	1440206	1440216	1440226	1440236
24 x 20 (594 x 492mm)	15	375	4	0.47	1440991	1440201	1440211	1440221	1440231
	23	550	4	0.76	1440994	1440204	1440214	1440224	1440234
	30	750	4	0.94	1440997	1440207	1440217	1440227	1440237
24 x 24 (594 x 594mm)	15	375	6	0.59	1440992	1440202	1440212	1440222	1440232
	23	550	6	0.94	1440995	1440205	1440215	1440225	1440235
	30	750	6	1.18	1440998	1440208	1440218	1440228	1440238
NON STANDARD					1440999	1440209	1440219	1440229	1440239

Notes
* Actual Header Sizes are as stated in table, and 22mm deep (other depths available upon request)
* Efficiencies quoted are average at 0.4 micron particles
* Nominal Industry standards include 24x24, 610x610, and 600x600, 24x12, 610x305, 600x300, and 24x20, 610x508, 600x500, will be made as above actual, unless we are instructed otherwise.
* Stainless steel headers Grade 304 available upon request - Part No. 1440901
* Bag Loops Available for vertical airflow - Part No. 1410902
* Non standard sizes are available upon request
* Pressure Drops at Rated Airflow
  M5 (Brown) 75Pa / M6 (Green) 85Pa / F7 80% (Pink) 110Pa / F8 90% (Yellow) 140 Pa / F9 95% (Off White) 150Pa

Holding Frames and Cases

Holding frames and casings for High Performance Bag Filters are available singularly or in multiples, and can be manufactured to suit non-standard sizes and special applications.

See Catalogue Section 8 (code AC8) for full information.

Front Withdrawal Frame (1810)

MEZ Flanged Side Access Housing (1820)

Duct Mounted Filter Housing (1825)

Fully Welded Side Withdrawal Filter Housing (1840)