



PRE FILTER WRAPS FOR CANISTERS

- **HIGH WATER REPELLENCY MEDIA**
- **PRE AND COARSE FILTRATION BARRIER** to protect high efficiency canisters
- **100% SYNTHETIC** - moisture will be drained off immediately

PRE FILTER WRAPS FOR CANISTERS

The Filtrair HSB-300 and HSP-500 hydrophobic pre filter media are uniquely suited to protect higher efficiency canister filters during seasonal increases in dust concentration such as fibers, seeds and other large particulate. Especially humidity, moisture and rain influences can be avoided by this unique hydrophobic treated media. Water is already drained of the media before it can reach the high efficiency canister. The high efficiency canister will not be affected by moisture. By stopping the water the pressure drop of the system remains low and guarantees the utmost lowest energy consumption of the system. The efficiency of the canister will not be affected through the water and the life time of the high efficiency canister can be prolonged.

The HSB-300 and HSP-500 media are produced by Filtrair media plant in the Netherlands. The filter media is constructed from selected high performance, non-breakable polyester fibers in a progressive multi-layering technique allowing high depth loading to ensure high dust holding capacity with optimal lowest pressure drop.

The media is thermally bonded and special treated with a cured hydrophobic coating which will not release during lifetime.

The media is available on roll and in a variety of sizes to fit on both cylindrical or conical canisters.

The socks can be supplied with Velcro or stitched.

FEATURES AND BENEFITS

- **THE FILTRAIR HYDROPHOBIC MEDIA** is an ideal pre filter for higher efficiency canister filters during seasonal increases in dust concentration such as fibers, seeds and other large particulate
- **THE HYDROPHOBIC MEDIA** is manufactured with a gradient density, promoting depth loading of the particulate and maximizing the dust holding capacity
- **THE HYDROPHOBIC FILTER WRAP MATERIAL** is available in a variety of sizes to fit both cylindrical and conical canisters
- **100% POLYESTER MEDIA** operates unaffected by moisture and adds minimal pressure drop to the system

APPLICATIONS

The media is available on roll and in a variety of sizes to fit on both cylindrical or conical canisters.

The socks can be supplied with Velcro or stitched.

PRE FILTER WRAPS FOR CANISTERS HSB-300 AND HSP-500

TECHNICAL DATA

	Unit	HSB-300	HSP-500
Rated air flow	m ³ /h/m ²	5400	900
air velocity	m/s	1,5	0,25
Initial pressure drop	Pa	45	17
Final pressure drop	Pa	250	450
Filter class per EN779:2012	-	G4	M5
Average Arrestance	%	91	95
Average Efficiency @ 0,4 µm	%		47
Dust holding capacity (Ashrae dust) 250 / 450 Pa	g/m ²	480	455

ISO 16890 TECHNICAL DATA

Product	Unit	HSB-300	HSP-500
Class To ISO 16890		ISO coarse 65%	ISO coarse 85%
Initial gravimetric Arrestance	%	68	87

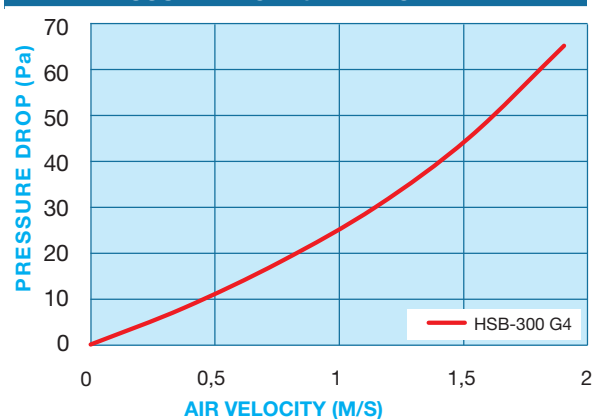
APPLICATION PARAMETERS

	Unit	HSB-300	HSP-500
Temperature resistance, constant	°C	≤ 100	≤ 100
Temperature resistance, short peaks	°C	< 120	< 120
Nominal thickness	mm	24	22
Relative humidity	%	100	100
Regenerable/washable	-	no	no
Water repellency (Mil std 282)	Pa	550	650
Roll sizes standaard		2 m x 20 m 1 m x 20 m	2 m x 20 m 1 m x 20 m

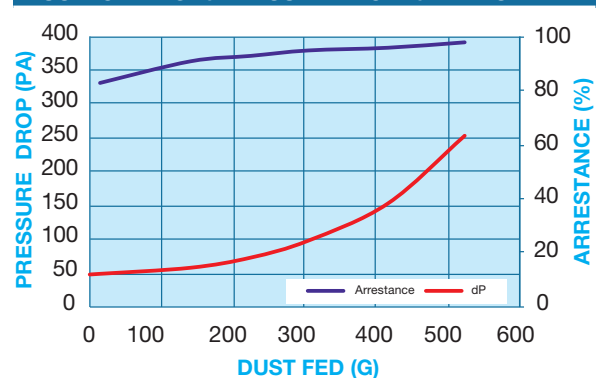
HYDROPHOBIC MEDIA



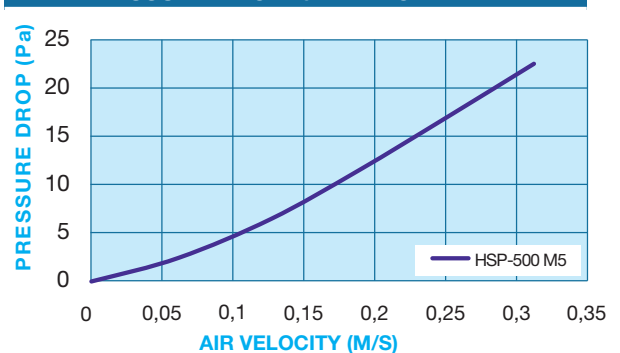
PRESSURE DROP vs AIR FLOW RATE



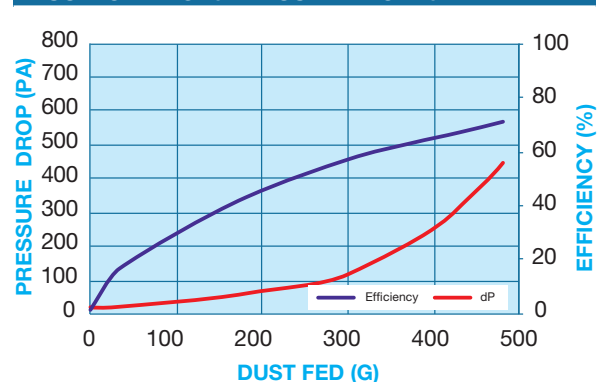
DUSTLOADING vs PRESURE DROP vs ARRESTANCE



PRESSURE DROP vs AIR FLOW RATE



DUSTLOADING vs PRESURE DROP vs EFFICIENCY



All data are average indicative values with usual manufacturing and testing tolerances. We reserve the right to modify performance data without prior notice. Specific performance data will require our written confirmation. Filtrair® is the registered trade mark of Filtrair bv.



Filtrair[®]
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