SHAMON
AIR & FILTRATION

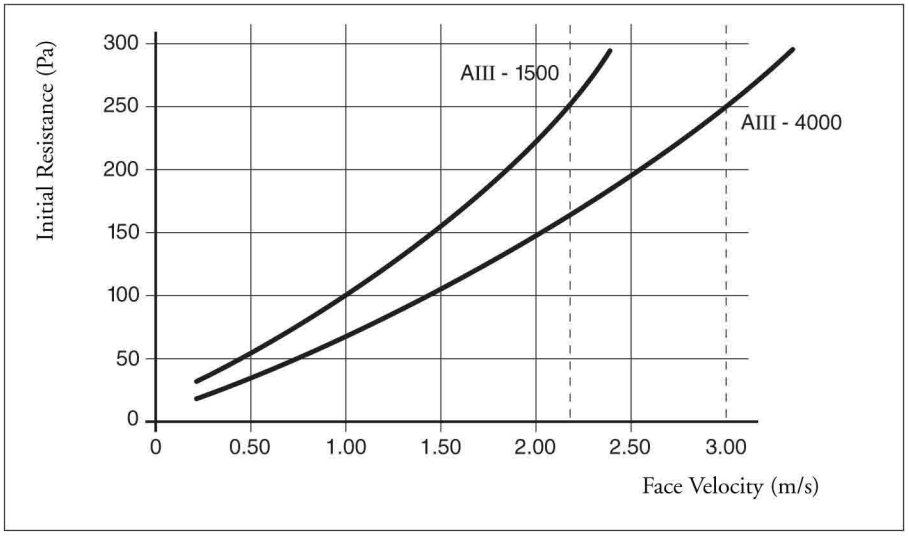
AstroCel® III 4000

High Efficiency Particulate Air Filters

- H12 and H13 in accordance with EN1822
- 4000 m³/h air volume saves space
- Low energy consumption

AstroCel III is classified H12 or H13 in accordance with EN1822.
The filter displays excellent efficiency on fine particulate matter and is designed for use in high air volume applications upto 4000 m³/h. Due to its high capacity the filter offers several benefits: in new installations, fewer filters are required to handle the same volume of air compared to HEPA filters of the same size with a lower capacity.
As a result, less installation space is required and installation time is significantly reduced. In existing installations, the filter's high media area ensures a low pressure drop which reduces energy costs.

Resistance vs Face Velocity



AstroCel®III 4000

An AstroCel III 4000 can be ordered using the following Component Code Definition System.
Use the table to specify a product suitable to your application requirements.

Selection Table

Item	Component	Component Code Definition*
A	Type of Filter	**A39 = AstroCel III**
B	Media	**A = Waterproof glass fibre**
C	Cell Sides**	03 = Sendzimir zinc coated steel (1500)
		05 = Sendzimir zinc coated steel (4000)
		07 = Stainless steel 304 (4000)
		08 = Stainless steel 304 (1500)
D	Separators	**C = Thermoplastic**
E	Bond	**9 = Polyurethane cold cured resin**
F	Gasket	P = No gasket
		S = Polyurethane foam, half round profile, one piece
		T = 6 mm, flat profile
G	Gasket Location	0 = No gasket
		2 = One face
H	Acceptance Level	**G = H12 Min. 99.5% @ MPPS acc. to EN1822 ** **
		H = H13 Min. 99.95% @ MPPS acc. to EN1822
I	Faceguard Location	**0 = No faceguard**
K	Options	Consult local sales office

* **Bold typeface:** standard execution
** Non leaktested filter
For 3400 MDF and NG execution consult specification sheets RA-3-139 and RA-3-124.

How to Order

Below a typical example of how to order a standard AstroCel III 4000 filter using the Component Code Definition System.

Item	A	B	C	D	E	F	G	H	I	K
Component Definition	A39	A	05	C	9	S	2	G	0	-

Standard Sizes and Ratings

Size in mm without gasket			Nominal airflow
H	W	D	m^3/h
610	305	292	1500
610	610	292	4000

Notes:
- Final resistance 750 Pa.
- Temperature limit 70°C.
- Initial resistance at nominal airflow: 250 Pa.

Efficiency

Efficiency	Efficiency EN1822	
@ 0.3 µm	@ MPPS	
99.97%	H12	99.5%
99.99%	H13	99.95%

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