

AstroCel® III 4000

High Efficiency Particulate Air Filters

- H12, H13 and H14 in accordance with EN1822
- 4000 m³/h air volume saves space
- Low energy consumption



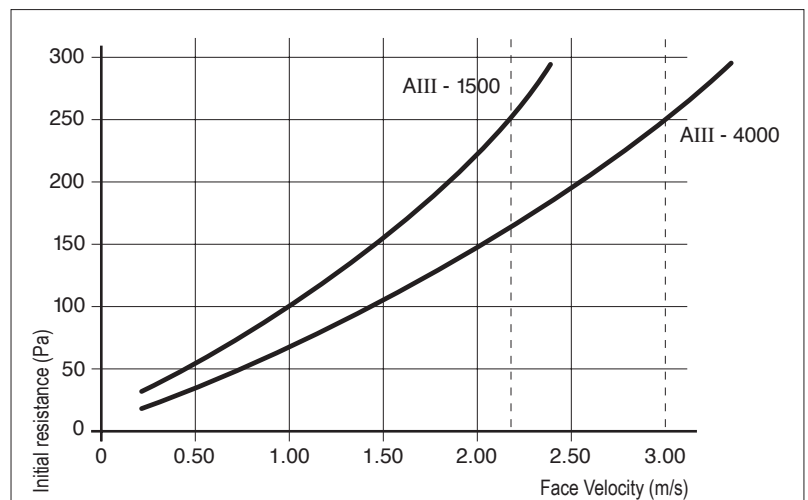
AstroCel III is classified H12, H13 or H14 in accordance with EN1822.

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 = AstroCell III
B	Media	A = Waterproof Glass Fibre (H12/H13) E = Waterproof Glass Fibre (H14)
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. 99.5% @ MPPS acc. to EN1822 R = H14 Min. 99.995% @ MPPS acc. to EN1822
I	Faceguard Location	O = No faceguard
K	Options	Consult local sales office

For 3400 MDF and NG execution consult specification sheets RA-3-139 and RA-3-124.

Bold typeface: standard execution

*Non leaktested filter

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	-

Initial resistance Table

	Nominal airflow (m³/h)	Initial resistance (Pa)
H12	4000	250
H13	4000	250
H14	3400	310
H14	4000	380

Standard Sizes and Ratings

Size in mm without gasket			Nominal airflow
H	W	D	m³/h
610	305	292	1500
610	610	292	4000

Efficiency

Efficiency @ 0.3 µm	Efficiency EN1822 @ MPPS	
99.97%	H12	99.5%
99.997%	H13	99.995%

Notes:

1) Final resistance 750 Pa.

2) Temperature limit 70°C.

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