

AstroCel® III 3400 MDF

High Efficiency Particulate Air Filters

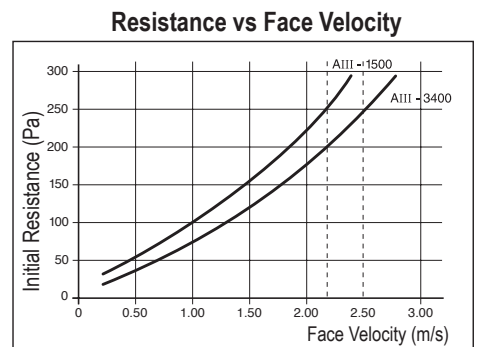
- H12 and H13 in accordance with EN1822
- 3400 m³/h air volume saves space
- Low energy consumption
- Non-shedding construction



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 up to 3400 m³/h. Due to its high capacity the filter has 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. Other benefits include:

- high quality MDF cell sides ensure a smooth, non-shedding construction
- easy installation



AstroCel® III 3400 MDF

An AstroCel III 3400 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
C	Cell Sides*	72 = MDF
D	Separators	C = Thermoplastic
E	Bond	9 = Polyurethane Cold Cured Resin
F	Gasket	P = No gasket S = Polyurethane foam, half round profile, one piece
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
I	Faceguard Location	O = No faceguard
K	Options	Consult local sales office

For 4000 and NG execution consult specification sheets RA-3-129 en 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 3400 filter using the Component Code Definition System.

Item	A	B	C	D	E	F	G	H	I	K
Component Definition	A39	A	72	C	9	S	2	G	0	-

Standard Sizes and Ratings

Size in mm without gasket			Nominal airflow
H	W	D	m³/h
610	305	292	1500
610	610	292	3400

Notes:

1) Recommended final resistance 750 Pa.

2) Temperature limit 70°C.

3) Initial resistance at nominal airflow: 250 Pa.

Efficiency

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

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