



AstroCel® III NG

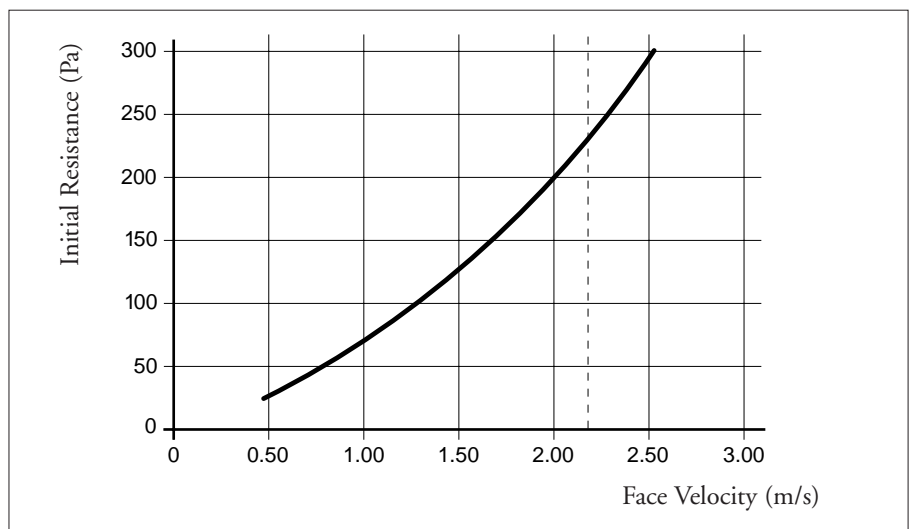
High Efficiency Particulate Air Filters

- High quality filtration on radioactive dust particles
- High media to area ratio, provides high efficiency filtration
- Classified H12, 99.5% efficiency @ MPPS
- Designed for high temperature applications
- Easy to install and handle



AstroCel III NG is classified H12 in accordance with EN1822 and is designed for nuclear installations. The filter has a continuous operating temperature of 120°C, but can handle short peak temperatures upto 220°C. Due to its 3400 m³/h air volume capacity, the filter offers many 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 NG

An AstroCel III NG 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	G = Waterproof glass fibre (Nuclear Grade)
C	Cell Sides	04 = Sendzimir zinc coated steel nuclear 06 = Stainless steel nuclear
D	Separators	N = Glass fibre medium
E	Bond	2 = Polyurethane cold cured resin nuclear
F	Gasket	D = High temperature neoprene rubber, half round profile, one piece P = No gasket
G	Gasket Location	0 = No gasket 2 = One face
H	Acceptance Level	G = H12, Min. 99.5% @ MPPS acc. to EN1822**
I	Faceguard Location	0 = No faceguard
K	Options	Consult local sales office

* **Bold typeface:** standard execution

** Nonleaktested filter

For 3400 MDF or 4000 execution consult specification sheets RA-3-139 and RA-3-129.

Standard Sizes and Ratings

Size in mm without gasket			Nominal airflow
H	W	D	m³/h
610	305	292	1700
610	610	292	3400

Notes:

- Recommended final resistance 750 Pa.
- Temperature limit: 120°C (continuously)
220°C (peak)
- Initial resistance at nominal airflow: 250 Pa.

Efficiency

Efficiency @ 0.3 µm	Efficiency EN1822 @ MPPS	
99.97%	H12	99.5%

How to Order

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

Item	A	B	C	D	E	F	G	H	I	K
Component Definition	A39	G	04	N	2	D	2	G	0	-

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