



AstroCel® I

High Efficiency Particulate Air Filter (HEPA)

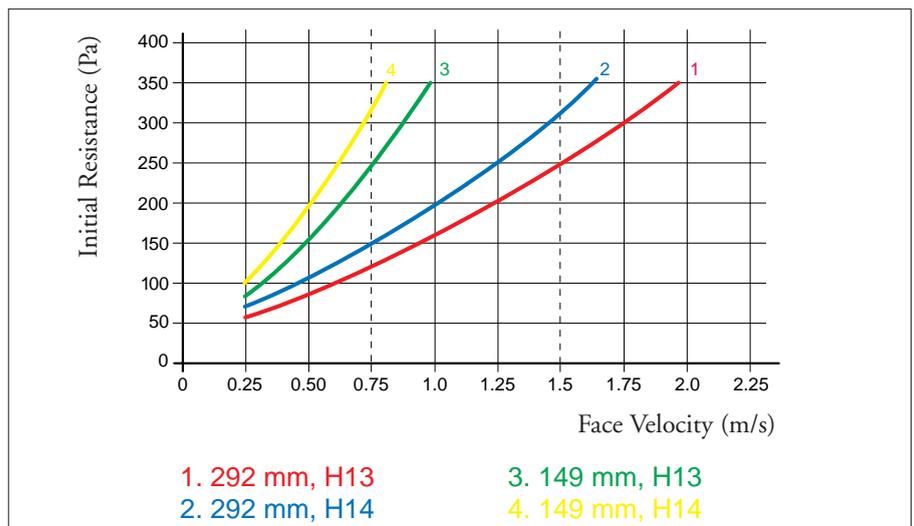
- Filter class H13 and H14 according to EN1822
- Non-shedding construction
- Improves quality of manufacturing processes and products



AstroCel I filters owe their excellent air cleaning efficiency to their advanced design. High quality MDF cell sides ensure a smooth, non-shedding construction, while a rigid pleated media pack with aluminium separators provides high efficiency air filtration on fine particulates at the lowest possible resistance. Galvanized steel and stainless steel cell sides are also available. AstroCel I filters are classified H13 and H14 in accordance with EN1822. Additional benefits include:

- Factory tested to meet the most stringent legal and industry requirements.
- Easy to install.

Resistance vs Face Velocity





AstroCel® I

An AstroCel I 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	Media	A = Waterproof glass fibre E = Waterproof glass fibre
B	Cell Sides	24 = Galvanized steel 26 = Stainless steel 72 = MDF
C	Separators	J = Aluminium
D	Bond	5 = Silicone 9 = Cold cured resin
E	Gasket	P = No gasket S = 7 mm, half round profile, one piece foamed T = 6 mm, flat profile Y = 6,5 mm, silicone rubber
F	Gasket Location	0 = No gasket 2 = One face 3 = Both faces
G	Acceptance Level	H = H13 99.95% @ MPPS, acc. to EN1822 R = H14 99.995% @ MPPS, acc. to EN1822

* **Bold typeface:** standard execution

Standard Sizes and Ratings

Size in mm without gasket ¹⁾			Nominal airflow	
H	W	D	m ³ /h	m ³ /s
610	305	149	500	0.14
610	610	149	1000	0.28
610	762	149	1250	0.35
610	305	292	1000	0.28
610	610	292	2000	0.56
610	762	292	2500	0.69

1) The 'H' (Height) dimension also indicates the vertical position of the separators. AstroCel I filters should always be installed with the separators in the vertical position.

2) Other sizes available on request.

Notes:

- Initial resistance at nominal airflow is:
250 Pa for H13 filters
320 Pa for H14 filters.
- Recommended final resistance is 750 Pa.
- Temperature limit: 90°C.
(200°C for A 24 J 5 Y 2 R,
260°C for A 26 J 5 Y 2 R.)

How to Order

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

Item	A	B	C	D	E	F	G
Component Definition	A	72	J	9	S	2	H

Efficiency

Efficiency @ 0.3 µm	Efficiency EN1822 @ MPPS	
	99.997%	H13
99.999%	H14	99.995%

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