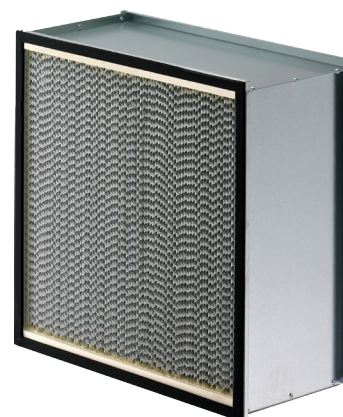


# AstroCel® I

## HIGH CAPACITY HEPA FILTER



### Features and Benefits

- EN1822: E12, H13 and H14
- High capacity execution with unique separator design for handling airflow rates up to 3000 m³/h
- Available with stainless steel frame, silicone sealant and silicone gasket for withstanding temperatures up to 260 °C

### Applications

The filter can be used for final filtration in central air handling systems and industrial installations, clean processes, such as pharmaceutical, food and beverage, electronics and healthcare. And the AstroCel I can be used for removal of hazardous materials, such as API's.

### Configurations

<b>Filter media</b>	Glass fibre
<b>Pack design</b>	Deep-pleat
<b>Separator</b>	Aluminium
<b>Frame material</b>	Anodized extruded aluminium, galvanized steel, stainless steel or MDF
<b>Sealant</b>	Polyurethane or silicone
<b>Gasket</b>	Polyurethane foamed, silicone, neoprene or polychloroprene
<b>Max. Operating Temperature</b>	70 °C (standard gasket), 120 °C (without gasket), 260 °C (silicone gasket)
<b>Recom. final pressure drop</b>	Subject to optimization of lifecycle costs, max 450 Pa
<b>Recom. airflow range</b>	75% - 125% (of nominal airflow)
<b>Moisture resistance</b>	100% relative humidity

### Product information

Product Name	Dimensions (mm)			Media pack depth (mm)	Nominal airflow		Face velocity (m/s)	Filter medium surface (m²)	Initial resistance (Pa)		
	W	H	D		m³/h	m³/s			E12	H13	H14
Astrocel I Standard	305	305	149	119	250	0,07	0,75	1,7	250	250	320
Astrocel I Standard	305	610	149	119	500	0,14	0,75	3,7	250	250	320
Astrocel I Standard	610	610	149	119	1000	0,28	0,75	7,9	250	250	320
Astrocel I Standard	762	610	149	119	1250	0,35	0,75	9,7	250	250	320
Astrocel I Standard	305	305	292	265	500	0,14	1,50	3,7	250	250	320
Astrocel I Standard	305	610	292	265	1000	0,28	1,50	7,9	250	250	320
Astrocel I Standard	610	610	292	265	2000	0,56	1,50	17,0	250	250	320
Astrocel I Standard	762	610	292	265	2500	0,70	1,50	21,6	250	250	320
AstroCel I HC	305	305	292	265	750	0,21	2,25	7,5	300	300	350
AstroCel I HC	305	610	292	265	1500	0,42	2,25	15,1	300	300	350
AstroCel I HC	610	610	292	265	3000	0,84	2,25	30,4	300	300	350
AstroCel I HC	762	610	292	265	3750	1,05	2,25	38,1	300	300	350

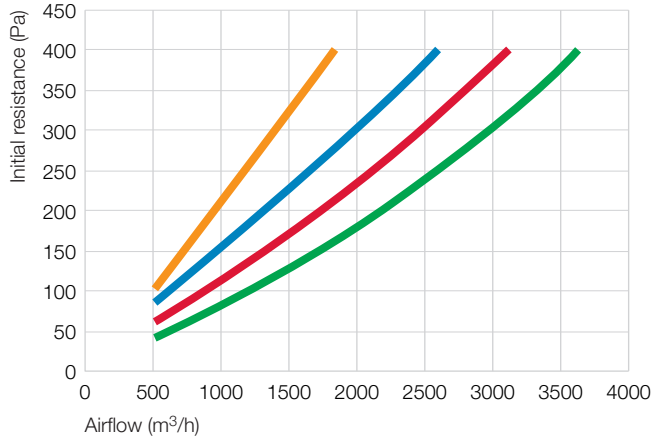
Other sizes available on request, be it maximum 762 x 610 x 292 mm. The height (H) dimension also indicates the position of the separators, which should always be installed in vertical position. All performance data are based on EN1822:2009. Recommended final resistance is subject to optimisation of lifecycle costs, be it maximum 500 Pa. Filters can be operated at 75% to 125% of the nominal airflow. Maximum operating temperature varies from 70 - 260 °C, subject to the temperature resistances of the selected components.



Bringing clean air to life.™

# AstroCel® I

## Airflow versus operating resistance



AstroCel I H12 and H13 610x610x149 mm

AstroCel I H12 and H13 610x610x292 mm

AstroCel I H14 610x610x292 mm

AstroCel I HC H13 610x610x292 mm

AstroCel® is a registered trademark of AAF International in the U.S. and other countries.



Bringing clean air to life:

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