


AstroPak
H13 Hepa Filter



AstroPak H13 Hepa Filter Owner's Manual

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AstroPak

AstroPak H13 Hepa Filter



Features and Benefits

- Can be scanned for leakage when installed according to ISO14644-3
- Optimized media pack utilizing thermoplastic separator technology
- Available in 292mm depth box configurations giving:
- Improved performance*
- Increased robustness*
- Improved total cost of ownership
- Available inefficiencies from E12 to H14 according to EN1822
- Available in a wide range of dimensions
- Available in aluminum and MDF frames

Applications

- Final HEPA filtration stage for air handling units
- Cleanroom terminal housings requiring high air velocities
- Containment systems requiring filter validation

Configurations

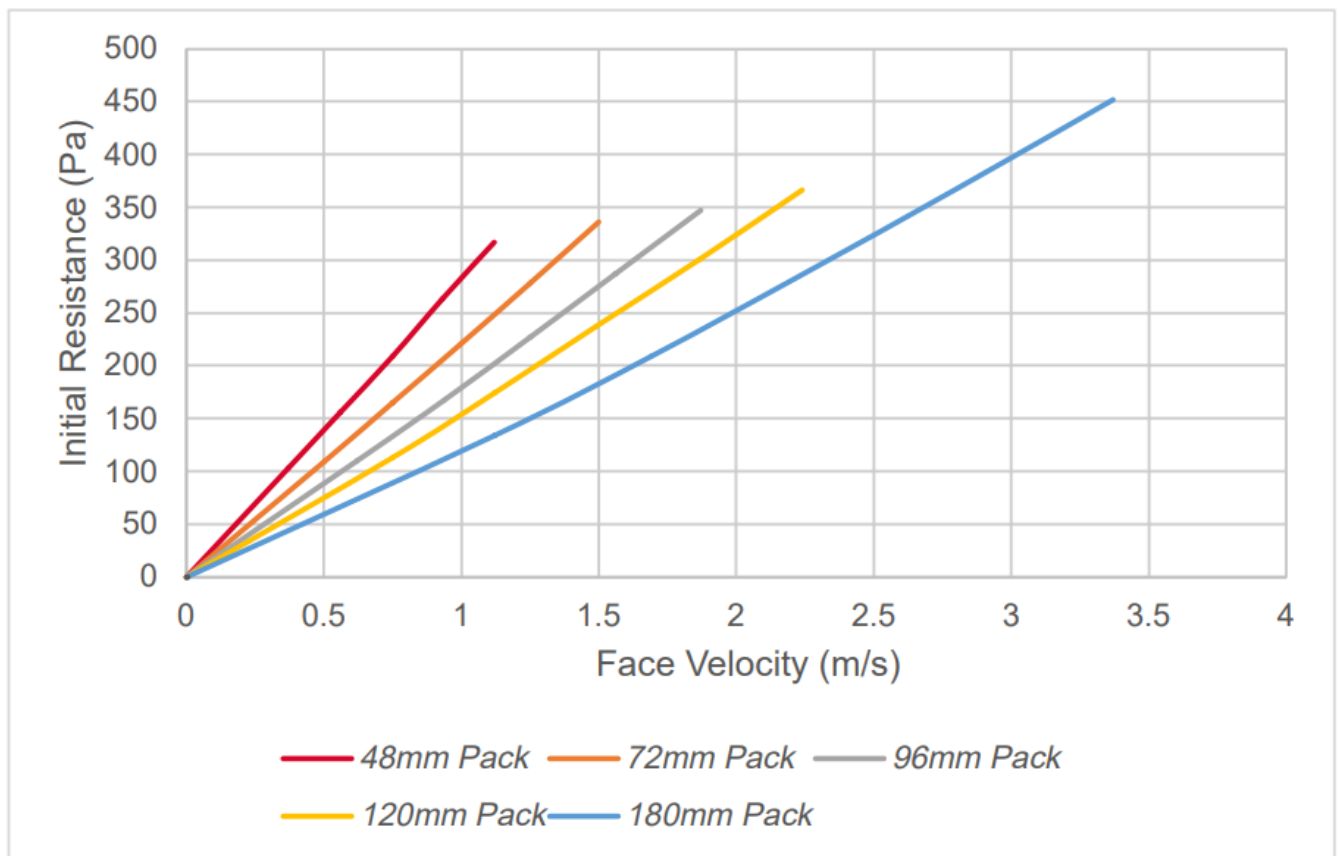
Filter media	Glassfibre
Pocket design	Mini-pleat
Separator	Thermoplastic
Standard pack depths**	48, 72, 96, 120, 180 mm
Frame material**	Anodized extruded aluminium, MDF
Sealant	Polyurethane (PU)
Gasket**	Polyurethane foam, neoprene
Faceguard (optional)	Epoxy coated steel, stainless steel
Recommended max. resistance	600 Pa
Max. operating temperature	70 °C
Labelling	Duplicate air filter label, double tear-off air filter label
Enclosed documentation	Individual test report to EN1822
Moisture resistance	100% relative humidity

Other options are available.

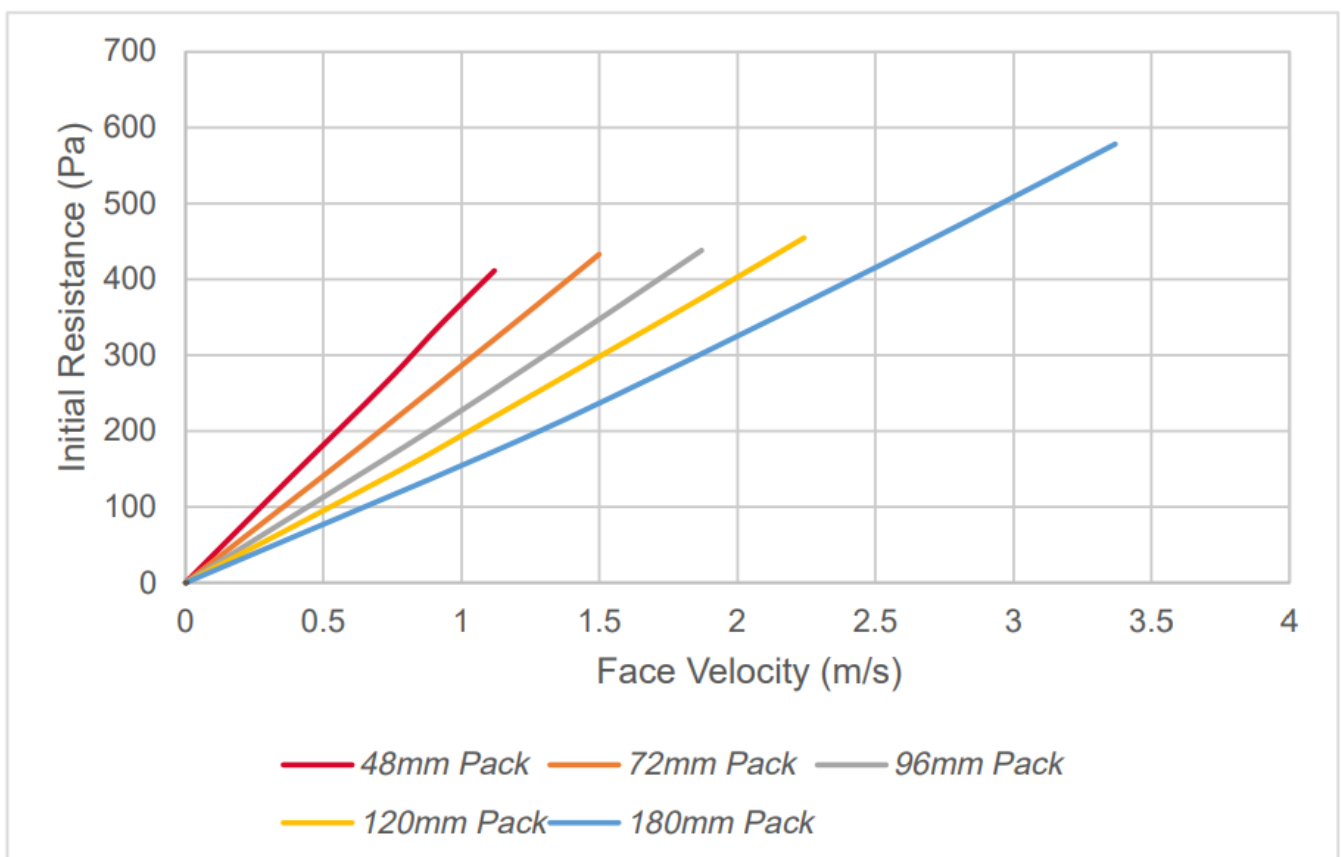
Filter Dimensions			Media Pack Height (mm)	Rated Velocity (m/s)	Initial Resistance (Pa)	
H (mm)	W (mm)	D (mm)			H13	H14
200 to 1200	150 to 1830	69	48	0.75	250	320
		78	48	0.75	250	320
		149	72	1	250	320
		149	120	1.5	250	320
		292	96	1.25	250	320
		292	180	2.25	290	370

Volumetric Flow (m ³ /h)					
Common Sizes	0.75 m/s	1 m/s	1.25 m/s	1.5 m/s	2.25 m/s
305×305	250	330	420	500	750
305×610	500	670	840	1000	1500
287×592	460	610	760	920	1400
457×457	560	750	940	1100	1700
592×592	950	1300	1600	1900	2800
610×610	1000	1300	1700	2000	3000

Resistance vs Face Velocity (H13)



Resistance vs Face Velocity (H14)



Features and Benefits

The AstroCel I provides HEPA filtration in medium and high-velocity applications. Deep-pleat technology with

corrugated aluminum separators allows:

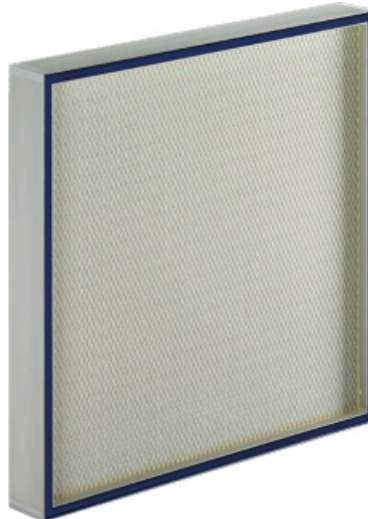
- Operation in elevated temperatures up to 90°C (over 200°C possible in some executions)



- A uniform airflow for in-situ scan validation testing
- With AAF's MEGAcel I, membrane media provides significantly reduced operating costs and improved reliability

Features and Benefits

- The AstroCel II is the standard for lean room applications, designed for velocities of 0.45m/s.



Thermoplastic separator technology provides

- An optimized pleat pack offering low resistance and reliable service
- Unidirectional clean air in efficiencies up to U17
- Upgrading to the MEGAcel II product family builds on this with AAF's membrane media technology, offering unrivaled low operating costs and durability


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Documents / Resources



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H13, H14, H13 Hepa Filter, H13, Hepa Filter, Filter

References

- [User Manual](#)

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