MEGAcel® I

HEPA FILTER WITH EFRM FILTRATION TECHNOLOGY

Features and Benefits

- Available in H13 (99,95% @ MPPS), and H14 (99,995% @ MPPS)
- Offers lowest possible pressure drop in box-style HEPA filter
- Superior durability, hydrophobic nature, and chemically inert properties minimize risk
- Tolerant of high hydrocarbon exposure and high humidity
- Compatible with all validation test methods – photometer and discrete particle counter (DPC)
- No boron outgassing
- High tensile strength media, more resistant to rough handling in transportation and installation
- Manufactured with high performance eFRM media and unique tapered aluminum separators, MEGAcel I filters optimize efficiency while keeping operating costs to a minimum

Applications

Designed to combine maximum efficiency with lowest pressure drop, the MEGAcel I filter media pack is available in different sizes, and cell side configurations, allowing for a variety of application requirements, including:

- Healthcare
- Food Processing
- Pharmaceutical
- Laboratory
- Electronic
- Semiconductor

Configurations

Filter media	eFRM media
Pack design	Deep-pleat
Separator	Tapered aluminum
Pack depth	260 mm
Frame material	Galvanized or stainless steel
Sealant	Polyurethane (PU)
Gasket	Material: FIPFG Polyurethane and EPDM, air leaving side
Faceguard	None
Max. operating temperature	70 °C
Labeling	Duplicate air filter label, double tear-off air filter label
Enclosed documentation	Individual test report to EN1822

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MEGAcel® I

Standard Sizes			Nominal Airflow	
H	W	D	m^3/s	m^3/s
305	305	292	750	0,21
305	610	292	1500	0,42
610	305	292	1500	0,42
610	610	292	3000	0,83
610	762	292	3750	1,04
610	915	292	4500	1,25

Sizes exclude gasket. Non-standard configurations may result in differing performance characteristics.

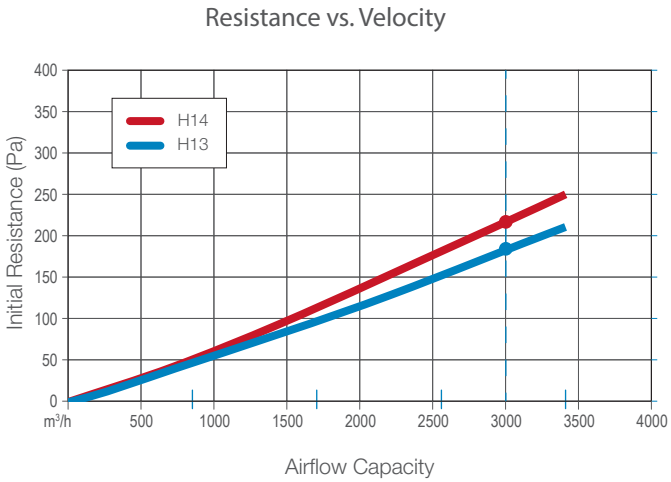
The height (H) dimensionalso indicates the vertical position of the separators. MEGAcel I air filters should always be installed with the separators inthe vertical position.

Performance MEGAcel® I

Filter Efficiency		
For MPPS to EN1822		At 0,14 µm PSL
H13	≥ 99,95%	99,98%
H14	≥ 99,995%	99,998%

Efficiency for MPPS as per (ISO29463-5), Annex C, Alternative Method for filter classes H13 and H14 as per EN1822-1.

Initial resistance at 2,25 m/s		
Pack depth	H13	H14
260 mm	175 Pa	220 Pa



Note: MEGAcel I filters are to be tested in-situ by Discrete Particle Counter (DPC) method or photometer.

Recommended final resistance: 600 Pa. Maximum operating temperature: 70 °C. Performance graph: MEGAcel I 610 x 610 x 292

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