



Dihedral

VariCel® Biocel® AstroCel®

- Available in F9 to EN779:2002
- H11, H13 and H14 to EN1822
- Non corrosive
- Fully incinerable
- Low resistance – long service life



Dihedral

These filters are used as prefilter or main filter in industrial and commercial HVAC installations. Also for use in Laminar Flow Cabinets the Dihedral is the perfect solution. The filter is available in EN779 classification F9 and in EN1822 classification H11, H13 and H14.

The filter is available in three different sizes;

- two sizes both with a different front size and a depth of 600 mm for large volumes.
- one with a depth 202 mm for applications with small build in depth.

Construction

The cell sides of the AstroCel Dihedral are constructed of high-impact polystyrene. All components of the Dihedral are fully incinerable and non corrosive.

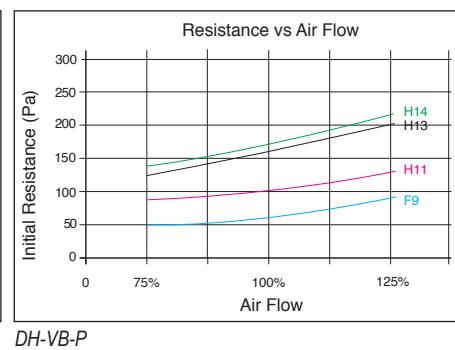
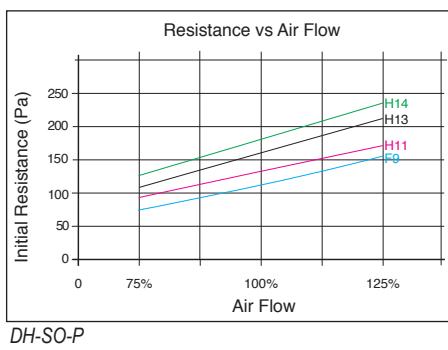
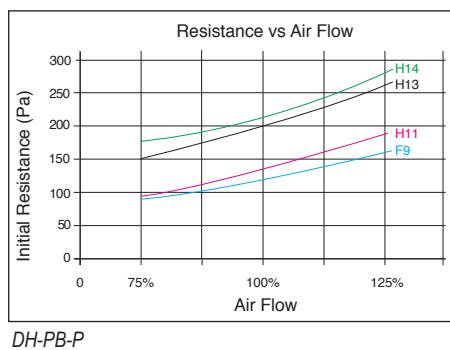
Hot melt separators maintain uniform spacing between pleats. They allow optimal air into, and through, the filter.

Operating temperature

The filter has an operating temperature limit of 70 °C.

Air tight installation

For an air tight installation use tape as a gasket.





Dihedral

Technical Data

Actual Size mm W x H x D	Rated Air Flow <i>m3/h</i>	Performance data <i>Filter class – Initial resistance (Pa) – Gross media area (m2)</i>							
		F9-Pa	m2	H11-Pa	m2	H13-Pa	m2	H14-Pa	m2
86,5 x 202 x 600	200	120	2,8	140	2,8	200	2,8	210	3,4
86,5 x 303 x 600	300	120	4,4	140	4,4	170	4,4	180	5,2
600 x 65 x 202	200	60	2,8	100	2,8	160	2,8	170	3,4

Notes:

- 1) Performance data according to EN779:2002 and EN1822
- 2) Recommended final resistance is 450 Pa

Specification

Maximum operating temperature	:	70°C
Media	:	High efficiency, water resistant glass fibre
Cell sides	:	High impact polystyrene (HIPS)
Separators	:	Hot melt
Disposal	:	Municipal incinerator or landfill

Legend

Type	DH	VariCel Dihedral (F9) BioCel Dihedral (H11) AstroCel Dihedral (H13/H14)
Size	PB SO VB	86,5 x 202 x 600 86,5 x 303 x 600 600 x 65 x 200
Execution	P	Plastic
Filter class	9 11 13 14	F9 to EN779 H11 to EN1822 H13 to EN1822 H14 to EN1822

Example: DH-PB-P-9

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