



BioCel VXL® and AstroCel VXL®

High Efficiency Particulate Air Filter for HVAC Systems

- **Classification H10, H11, H12 and H13 to EN1822**
- **Long service life**
- **High media area; low pressure drop**
- **Lightweight and easy to install**
- **Full polymer construction**
- **Fully incinerable; free of halogens**



BioCel VXL® and AstroCel VXL® are lightweight compact filters designed for use in industrial HVAC installations. Available in the EN1822 classification range H10 - H13, their rigid design and pleated media pack with hot melt separators ensure they deliver the desired air quality when used as last stage filter in the AHU.

Media

BioVee® and AstroVee® media is water resistant and can withstand temporary exposure to free moisture in the airstream. When wet there will be a temporary rise in

resistance, which quickly returns to normal as soon as the moisture evaporates.

Construction

The header and cell sides provide a sturdy construction that resist damage during shipping, handling and operation. The entire polystyrene construction is fully incinerable and free of halogenes.

Separators

The hot melt separators maintain uniform spacing between pleats to allow optimal flow of air into and through the filter. They also

ensure large effective media area for low resistance and long service life.

Operating Temperature

BioVee® and AstroVee® filters can operate at temperatures up to 70°C.

Better Air is Our Business®



BioCel VXL® and AstroCel VXL®

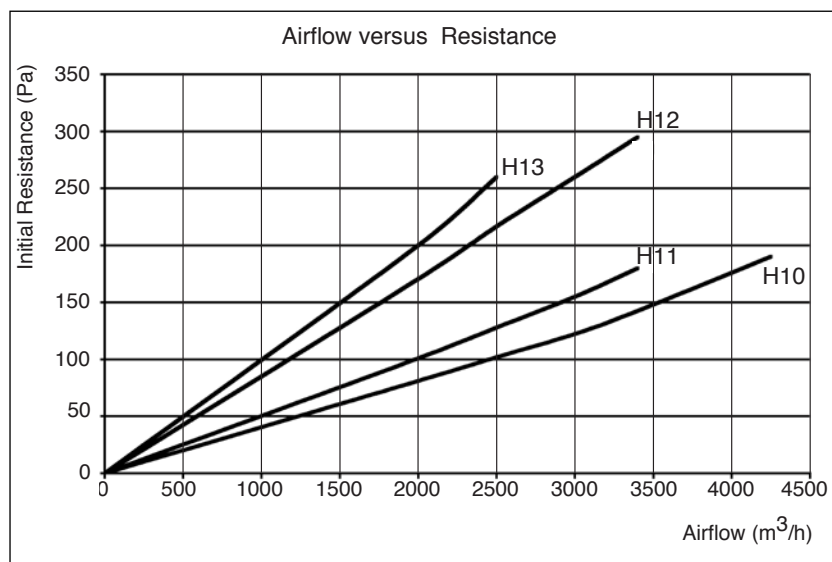
Maximum operating temperature	70°C
Media	High efficiency, water resistant glass fibre
Cell sides and Header	Polystyrene and ABS
Separators	Hot melt
Options	Gasket on air entry or air leaving side
Burst pressure	1500 Pa.

Technical Data

Type	BioCel® VXL BV-H10	BioCel® VXL BV-H11	AstroCel® VXL V-H12	AstroCel® VXL AV-H13
Nominal size (inch)	24x24x12	24x24x12	24x24x12	24x24x12
Actual size (mm) ^{1) 4)}	592 x 592 x 292	592 x 592 x 292	592 x 592 x 292	592 x 592 x 292
Initial Resistance				
at high airflow (m ³ /h) / (Pa)	4250 / 190	3400 / 180	3400 / 295	2500 / 260
at rated airflow (m ³ /h) / (Pa)	3400 / 140	3000 / 155	3000 / 260	2000 / 200
Final Resistance (typical) (Pa)	600	600	600	600
Media area (m ²)	22,0	22,0	22,0	22,0
Filter Class EN1822	H10	H11	H12	H13

- 1) Width and height are interchangeable, pleats can be either vertical or horizontal without affecting performance.
- 2) All performance data based on EN1822 at rated airflow. (Filters are not leaktested)
- 3) Recommended maximum value. Filters can be operated to a lower final resistance without effecting filter efficiency.
- 4) Filters are also available with H = 490 mm and H = 287 mm.
- 5) Header size 25 mm.

Airflow versus Resistance



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