

# BioCel<sup>®</sup> VXL / AstroCel<sup>®</sup> VXL

## HIGH EFFICIENCY PARTICULATE AIR FILTER

### Features and Benefits

- EN1822: E10, E11 and E12
- High filter efficiency > 99,95%
- Long service life
- High media area; low pressure drop
- Lightweight and easy to install
- Full polymer construction
- Fully incinerable; free of halogens

### Applications

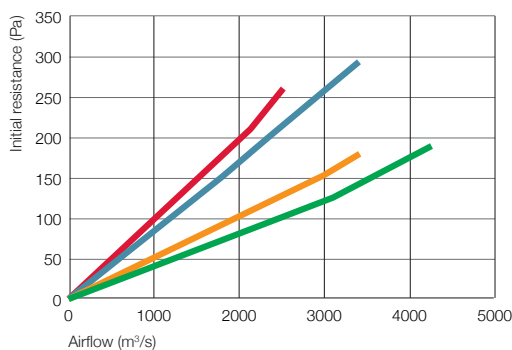
BioCel VXL and AstroCel VXL filters are lightweight compact filters designed for use in industrial HVAC installations. Their rigid design and pleated media pack with hot melt separators that ensure they deliver the desired air quality when used as a last stage filter in the AHU.



### Configurations

<b>Filter media</b>	Glass fibre, water resistant
<b>Separator</b>	Hot-melt
<b>Frame material</b>	Combination of HIPS and ABS
<b>Gasket</b>	Dry seal on air entry or air leaving side
<b>Max. Operating Temperature</b>	70 °C
<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

### Airflow versus operating resistance



>99,95%, E12, E11, E10



Bringing clean air to life.™

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## Product information

Product Name	Filter Classification	Dimensions (mm)			Nominal airflow		Face velocity (m/s)	Filter area (m <sup>2</sup> )	Initial resistance (Pa)
		W	H	D	(m <sup>3</sup> /h)	(m <sup>3</sup> /s)			
BioCel VXL E10	E10	592	592	292	3150	0,87	2,5	17,6	135
BioCel VXL E11	E11	592	592	292	2800	0,79	2,25	17,6	140
AstroCel VXL E12	E12	592	592	292	2800	0,79	2,25	22,4	260
AstroCel VXL	> 99,95% <sup>6)</sup>	592	592	292	1900	0,52	1,5	22,4	200

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.

3) Recommended maximum value. Filters can be operated to a lower final resistance without affecting filter efficiency.

4) Filters are also available with H = 490 mm and H = 287 mm.

5) Header size 25 mm.

6) Not individually tested. E10-E12 are also not individually tested.

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