

VariCel® V XL BioLog

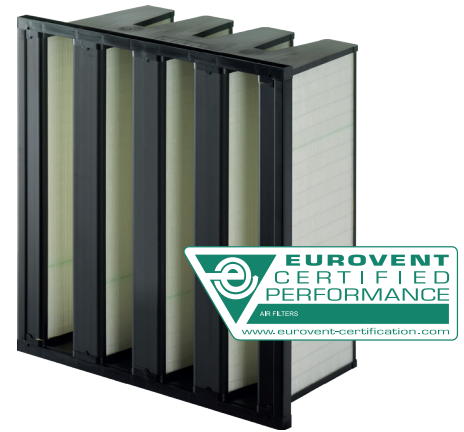
COMPACT AIR FILTER FOR BIOAEROSOL FILTRATION

Features and Benefits

- **Biostatic functionality (Allergenes, Viruses, Bacteria, Fungi spores)**
- ISO 16890: ePM1 55%, ePM1 75 % and ePM1 85%
- Lightweight and easy to install
- Fully incinerable

Applications

- The VariCel V XL filter is an 8-panel high efficiency filter designed for use in commercial and industrial HVAC installations.
- Especially for the use in buildings with an increased risk of airborne infections, e. g. healthcare facilities, office buildings etc.



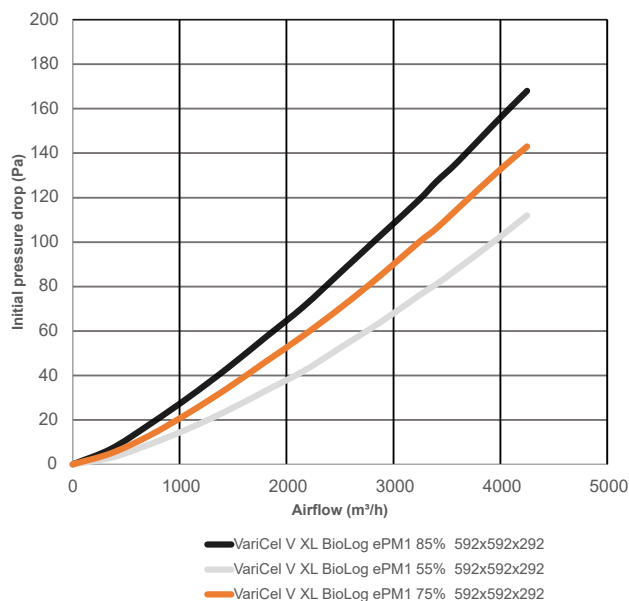
Configurations

Filter media	Glass fibre media with biostatic function
Pack design	Mini-pleat V-shape
Separator	Hot-melt
Gasket (optional)	Polyurethane foamed endless gasket
Header	HIPS. Depth 25 mm, optional 20 mm
Max. Operating Temperature	70 °C
Recom. final pressure drop	Subject to optimization of lifecycle costs, max 450 Pa
Recom. airflow range	75% - 125% (of nominal airflow)
Moisture resistance	100% relative humidity

Standard dimensions

Dimension	592 x 592	592 x 490	592 x 287
Depth Single Header	292		

Performance VariCel V XL



VariCel® V XL BioLog

Technical data

Filter name	Dimensions (mm) W x H x D	Filter area (m ²)	Number of V's	Initial dp (Pa)	Airflow m ³ /h	Prev. rated EN779:2012	ISO 16890 Classification	Average values		
								ePM1 (%)	ePM2,5 (%)	ePM10 (%)
VariCel V XL Bio Log ePM1 55%	592x592x292	14,6	4	84	3400	F7	ePM1 55%	60	70	90
	592x490x292	11,9	4	84	2800	F7	ePM1 55%	60	70	90
	592x287x292	6,4	4	84	1700	F7	ePM1 55%	60	70	90
VariCel V XL Bio Log ePM1 75%	592x592x292	14,6	4	108	3400	F8	ePM1 75%	78	84	95
	592x490x292	11,9	4	108	2800	F8	ePM1 75%	78	84	95
	592x287x292	6,4	4	108	1700	F8	ePM1 75%	78	84	95
VariCel V XL Bio Log ePM1 85%	592x592x292	14,6	4	127	3400	F9	ePM1 85%	86	90	97
	592x490x292	11,9	4	127	2800	F9	ePM1 85%	86	90	97
	592x287x292	6,4	4	127	1700	F9	ePM1 85%	86	90	97

Further dimensions are available on request. From January 1st 2018 filtration efficiency values are certified according to ISO 16890.

BioLog: Air filters for bioaerosol filtration

BIOSTATIC
Functionality

BioLog Technology contains special air filter media with superior protection against infectious bioaerosols. The fiber of the filter media, which is free of any harmful chemicals, and equipped with a special polymeric layer that leads to the irreversible binding of infectious microorganisms for example:

- Allergens
- Viruses
- Bacteria
- Fungi (spores)

BioLog filters can effectively reduce the risk of airborne infections, especially in healthcare facilities, offices, hotels, schools or other buildings where random groups of people congregate or work and airborne transmission of infectious agents can therefore become a serious problem.

In addition to protecting the people who breathe the air inside the building by providing clean air, BioLog also reduce the risk for maintenance personnel when replacing potentially contaminated filters.

VariCel® is a registered trademark of AAF International in the U.S. and other countries.



AAF International
European Headquarters
Odenwaldstrasse 4, 64646 Heppenheim
Tel: +49 (0)6252 69977-0
www.aafeurope.com

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