VariCel® V with INTERSEPT®
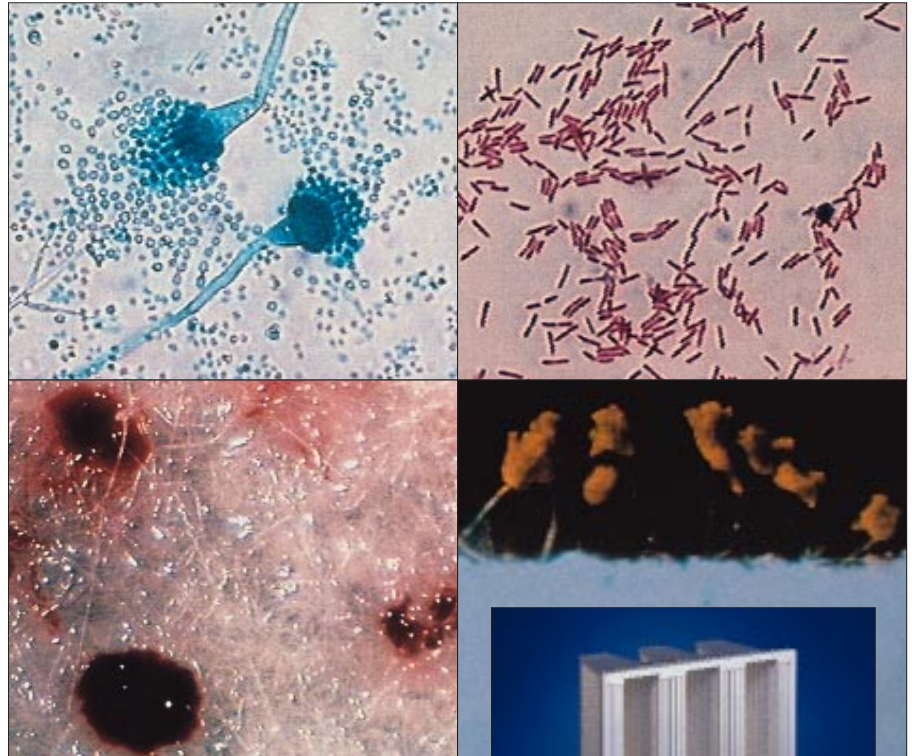
IAQ Engineered Compact Filter

- Intersept® inhibits the growth of fungi and bacteria
- Intersept® controls microbial odours
- Intersept® preserves filter media throughout its service life
- Excellent performance in humid operating conditions
- Strong, reliable construction

Microbial Control is Built-In

Microbial Control is Built-In. Like most compact filters VariCel V with Intersept® biostatic preservative displays excellent dust holding capacity on both inert and microbial particulates. Unlike most compact filters though, VariCel V has been treated with a unique biostatic preservative called Intersept® which inhibits the growth of those fungi and bacteria documented to affect indoor air quality. This preservative prevents the growth of organisms on the filter media, protecting it throughout its service life. Intersept® also inhibits odours resulting from microbial growth.

The combined characteristics of the VariCel V filter media and Intersept® biostatic preservative make this a superior indoor air quality filter compared to a untreated filter.

How it Works

When microbial particulates are trapped, they are immediately prevented from multiplying and growing on and through the filter media by Intersept® biostatic preservative. The result: fewer contaminated particles downstream of the filter.

High Performance Design

VariCel V with Intersept® has a rigid, multiple mini-pleat media pack. Minimum space between pleats provides a large effective media area which ensures a high dust holding capacity and long service life. The media is water repellent and performs well in conditions of high relative humidity. VariCel V with Intersept® is an excellent choice in variable air volume and/or turbulent airflow systems as filter efficiency is not duly affected by changes in air velocity or repeated fan shut down. VariCel V with Intersept® is available in EN779 classification ranges F7 and F8.

Disposal

The filter is fully incinerable or, alternatively, it can be landfilled.
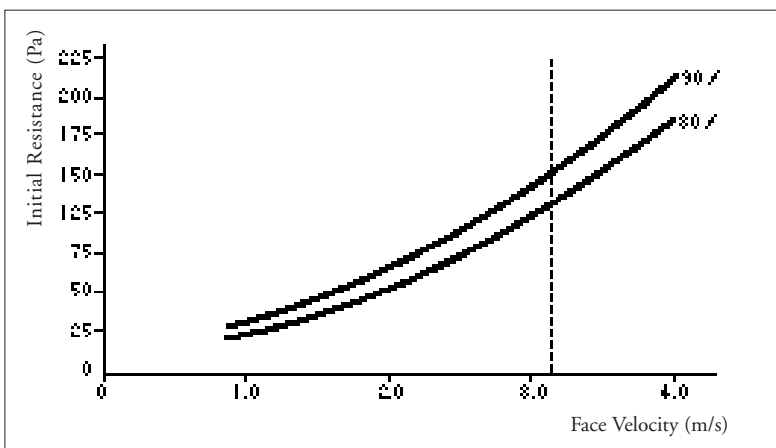
Treated media versus untreated media

	Treated media	Untreated media
Dust	☑	☑
Inhibits Bacteria Growth	☑	☐
Inhibits Fungi Growth	☑	☐
Controls Microbial Odours	☑	☐

Resistance vs Airflow

Technical Data

Type	Size[1] mm HxWxD	Airflow				Average Efficiency[2] %	EN 779 Class[2]	Initial Resistance at Nominal Airflow Pa	Final Resistance[3] Pa
		Maximum		Nominal					
		m³/h	m³/s	m³/h	m³/s				
VV6- 9-24.24-12	592 x 592 x 292	5000	1.39	4250	1.18	80-85	7	125	600
VV6- 9-20.24-12	490 x 592 x 292	4165	1.15	3540	0.98	80-85	7	125	600
VV6- 9-12.24-12	287 x 592 x 292	2500	0.69	2125	0.59	80-85	7	125	600
VV6-10-24.24-12	592 x 592 x 292	5000	1.39	4250	1.18	90-95	8	145	600
VV6-10-20.24-12	490 x 592 x 292	4165	1.15	3540	0.98	90-95	8	145	600
VV6-10-12.24-12	287 x 592 x 292	2500	0.69	2125	0.59	90-95	8	145	600

1) Width and height are interchangeable, pleats can be either vertical or horizontal without affecting performance.
2) All performance data based on EN779.
3) Recommended maximum value. Filters can be operated to a lower final resistance without materially effecting filter efficiency.

Intersept® is registered for use on air filters by the EPA in the United States under registration No. 43670-1. The product has been approved for use in Europe under European Guidelines 67/548/EEC and 92/32/EEC for New Chemical Substances.
Intersept® is a registered trademark of Interface Inc.

AAF has a policy of continuous product research and improvement and reserves the right to change design and specifications without notice.