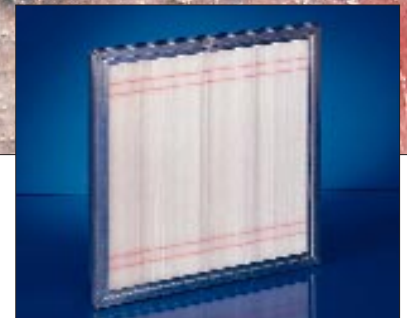
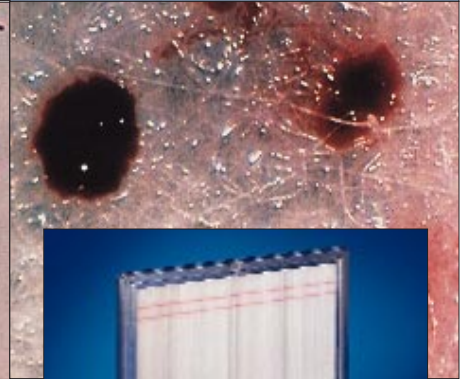
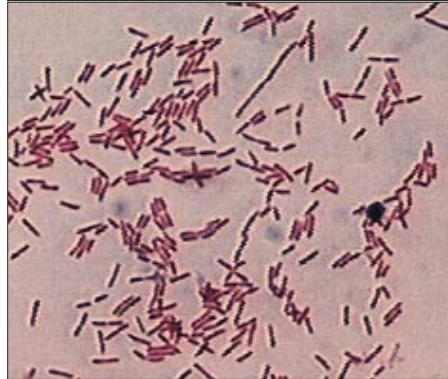
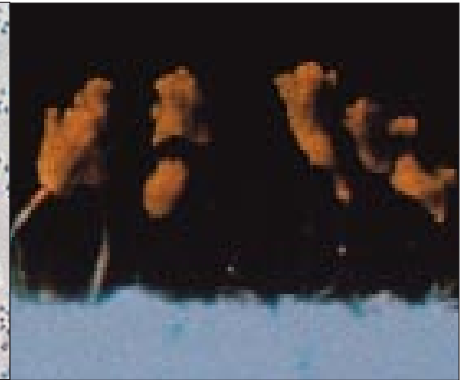
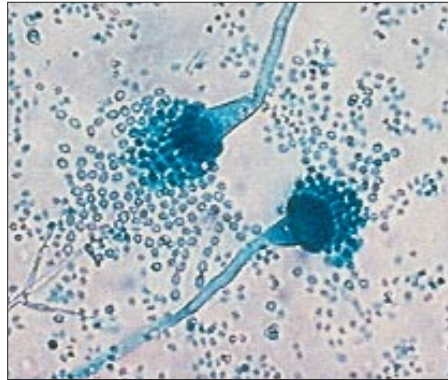




VariCel® II MH with INTERSEPT®

IAQ Engineered High Efficiency Mini-Pleat Filter
with Metal Header and Cell Sides

- Top performance in humid and turbulent operating conditions
- Ideal for upgrading a HVAC system
- Intersept® inhibits the growth of microbes resulting in improved IAQ
- Intersept® preserves the filter media resulting in longer service life
- Two efficiencies: F6 and F8 in accordance with EN779



Applicational Benefits

VariCel II MH with Intersept® is - as filters go - unique. The combined characteristics of metal header, water repellent media pack and Intersept® biostatic preservative render the filter suitable for turbulent airflow applications and conditions in which moisture and/or high relative humidity is an issue. It is also the perfect solution for upgrading an HVAC installation to a higher efficiency with a view to improving indoor air quality.

Microbial Control is Built-In

Like most compact filters VariCel II MH displays excellent dust holding capacity on inert and biologically contaminated particulate. Unlike most compact filters, though,

VariCel II MH has been treated with Intersept® biostatic preservative. Intersept® brings added value to the filtration process in that it inhibits the growth of fungi and bacteria documented to affect IAQ, preserves the filter media throughout its service life and reduces the risk of odours caused by microbial growth.

How It Works

The filter media traps particulate matter - both inert and biocontaminated. On contact with Intersept®, fungi and bacteria are inhibited on the filter media. Consequently, fewer microbial contaminated particles are allowed to grow on the filter media and move downstream. The result: better IAQ and better HVAC system hygiene.

High Performance Cost Saving Design

VariCel II MH with Intersept® is available in the efficiency ranges F6 and F8. The filter's mini-pleat extended surface media pack is housed within a compact galvanized steel housing - a construction which is sturdy and reliable. Rows of adhesive beads maintain uniform pleat spacing and ensure maximum airflow with minimum resistance. Weighing only 3.7kg and only 4" deep, the filter is easy to handle and install in front, rear and side access systems. This combination of low-depth and low weight adds up to a substantial saving on transport and storage costs.





VariCel® II MH with INTERSEPT®

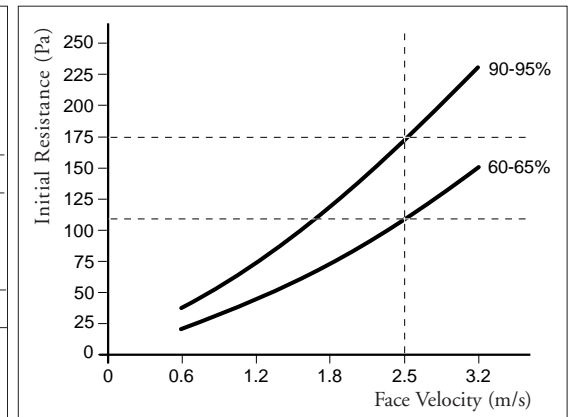
Treated media versus untreated media

	Treated media	Untreated media
Dust	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Inhibits Bacteria Growth	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Inhibits Fungi Growth	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Controls Microbial Odours	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Technical data

Nominal Size (wxhxd) (inches)	Actual Size ²⁾ (wxhxd) (mm)	Rated Air Flow Capacity ¹⁾		Recomm. Final Resistance (Pa)	Rated Initial Resistance (Pa)	Gross Media Area (m ²)
90-95% Average Efficiency³⁾ - F 8						
24 x 24 x 4	594 x 594 x 108	3400	0,94	450	175	10.3
20 x 24 x 4	492 x 594 x 108	2805	0,78	450	175	8.4
12 x 24 x 4	289 x 594 x 108	1700	0,47	450	175	4.6
60-65% Average Efficiency³⁾ - F 6						
24 x 24 x 4	594 x 594 x 108	3400	0,94	450	110	10.3
20 x 24 x 4	492 x 594 x 108	2805	0,78	450	110	8.4
12 x 24 x 4	289 x 594 x 108	1700	0,47	450	110	4.6

Resistance vs Airflow



- 1) Filters can be operated up to 125% of rated velocity.
- 2) Width and height dimensions are interchangeable. VariCel II MH filters may be installed with the pleats in the vertical or horizontal position.
- 3) All performance data based on ASHRAE 52.1-1992 test method. Performance tolerances conform to Section 7.4 of ARI Standard 850-93.
For maximum service life, VariCel II MH filters should always be operated with a prefilter.

Notes:

- All VariCel II MH filters are classified U.L. Class 2. Testing was performed according to U.L. Standard 900 and CAN 4-S111
- VariCel II MH filters are packed two per carton.
- Special sizes available on request.
- Continuous operating temperature: 65°C.

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

Intersept® is a registered trademark of Interface Inc.

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