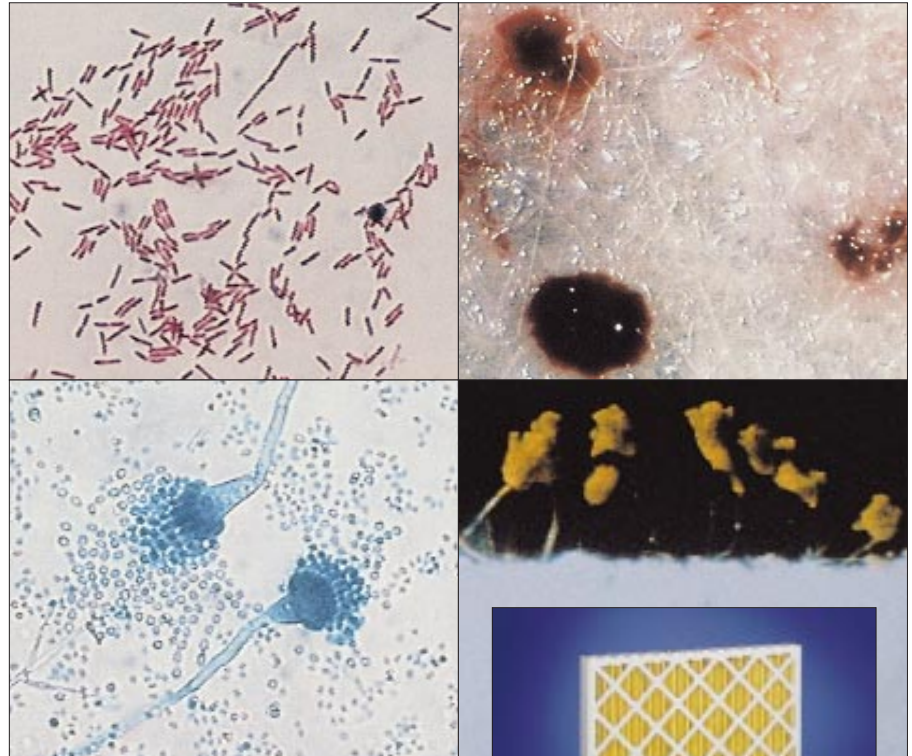




AmAir® 300 with INTERSEPT®

IAQ Engineered Air Prefilter

- 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

Like most prefilters AmAir 300 with Intersept® has the inherent ability to arrest both inert and microbial particulates. Unlike most prefilters though, AmAir 300 filter media has been treated with a unique biostatic preservative called Intersept® which inhibits the growth of those fungi and bacteria known 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 on the filter media. The combined characteristics of the AmAir 300 filter media and Intersept® biostatic preservative make this a superior indoor air quality filter compared to a untreated air 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

AmAir 300 with Intersept® features a cotton polyester media which retains its dust holding capacity and efficiency upon moisture contact and in conditions of high relative humidity. The media displays high tensile strength and does not tear, erode or rupture during operation. A strong, water resistant die-cut box frame ensures complete structural

integrity during service life. AmAir 300 with Intersept® is available in EN779 classification range G4 and is an ideal way to upgrade a HVAC system for improved air quality.

Disposal

AmAir 300 with Intersept® is fully incinerable or, alternatively, it can be landfilled.





AmAir® 300 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

Type	300 - 2"	300 - 4"
Actual Depth (mm)	48	95
Rated Face Velocity (m/s)	1.5 - 2.5	1.5 - 3.2
Average Arrestance ¹⁾ (%)	90 - 95	90 - 95
Efficiency ¹⁾ (%)	-	-
EN779 Classification	G4	G4
Rated Initial Resistance ¹⁾ (Pa)	33 - 76	31 - 91
Recomm. Final Resistance ²⁾ (Pa)	250	250
Temperature Limits (°C) (continuous operation)	90	90

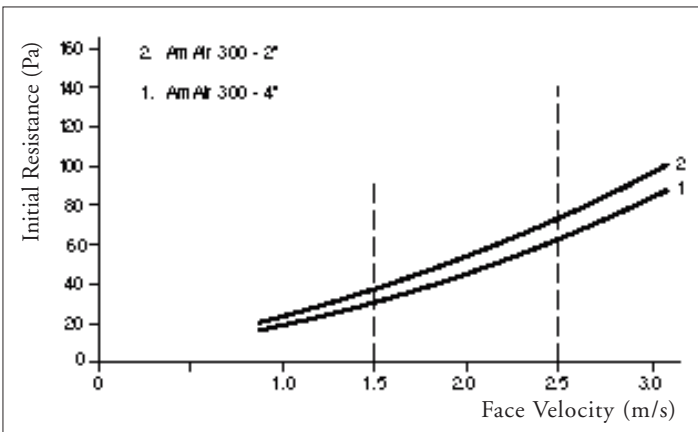
- 1) All data based on EN779.
- 2) Recommended final resistance not to be exceeded.

Standard Dimensions

Nominal Size ¹⁾²⁾ (inches) W x H	Actual Size ²⁾ (mm) W x H	Airflow at 2.5 m/s (m ³ /h)
12 x 24	290 x 595	1700
16 x 20	392 x 494	1870
16 x 25	392 x 621	2380
20 x 20	494 x 494	2380
20 x 25	494 x 621	2975
24 x 20	595 x 494	2850
24 x 24	595 x 595	3400

- 1) Width and height dimensions are interchangeable. Filters may be installed with the pleats either vertical or horizontal. The pleats are always parallel to the longest cell inside unless explicitly specified otherwise.
- 2) See Technical Data Table for filter depths.

Resistance vs Airflow



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 for New Chemical Substances.

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.