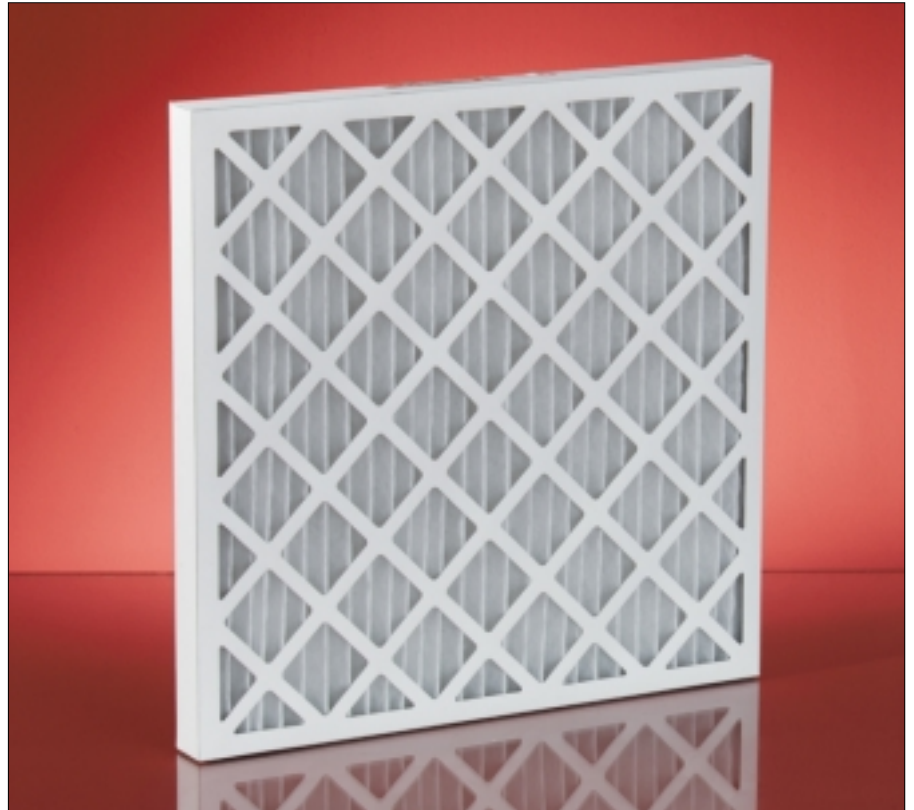


AmAir® 300

High Quality Prefilters

- Excellent media performance in high humidity conditions
- High tensile strength media
- Environment-friendly materials
- Sturdy, reliable construction



High performance, environment friendly media

With the new AmAir 100 and 300 series of prefilters AAF has risen to the challenge of designing an environment-friendly product with the necessary performance characteristics built-in. These filters feature a new 100% synthetic media pack which provides excellent performance in conditions of high relative humidity and moisture. When the media becomes wet, resistance may rise temporarily only to subside when the media starts to dry. The synthetic media displays great tensile strength, reducing the chance of damage during handling and operation. The media is environment and user

friendly: it does not contain any harsh resins or artificial colouring. It can therefore be readily disposed of by landfill or incineration.

Sturdy, reliable construction

The pleated media pack of both range of filters is housed within a sturdy double walled, die cut box, beverage board frame. To ensure the media pack does not rack or deteriorate under difficult operating conditions, it is bonded to the inside of its frame at all points of contact and retained in position by retainers at the air leaving and air entering sides. On the air leaving side of the media pack a wiremesh pleat support grid maintains equidistant spacing

between pleats, ensuring that dust is collected evenly over the entire surface of the media. Media usage is maximized resulting in a more gradual rise in resistance, which in turn has a positive effect on energy consumption and service life.

Applications

Classified G4 in accordance with EN 779, AmAir 100 and 300 are ideal for protecting more expensive secondary air filters from premature dust loading and replacement. As primary filters, they will also help reduce HVAC maintenance costs by preventing unnecessary dust build-up on coils, fans and duct work.



B E T T E R A I R I S O U R B U S I N E S S ®



Technical Data

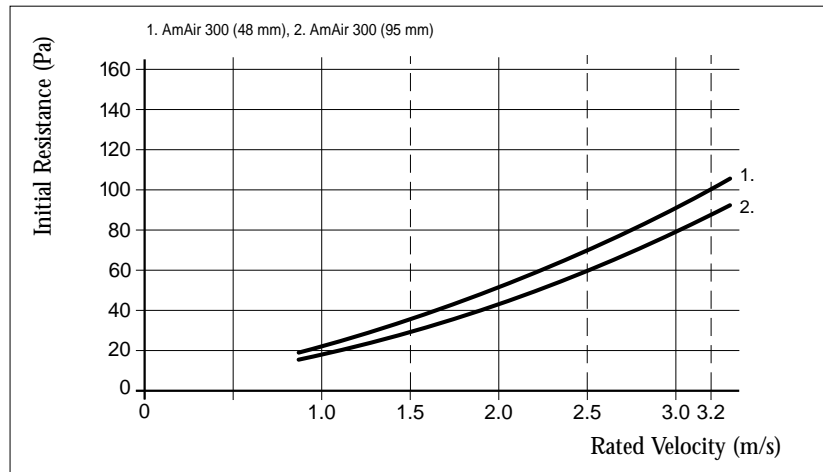
Type	100 - 2"	100 - 4"	300 - 2"	300 - 4"
Actual Depth (mm)	48	95	48	95
Rated Face Velocity (m/s)	1.5 - 2.5	1.5 - 3.2	1.5 - 2.5	1.5 - 3.2
Average Arrestance ¹⁾ (%)	90 - 95	90 - 95	90 - 95	90 - 95
Efficiency ¹⁾ (%)	-	-	-	-
EN779 Classification	G4	G4	G4	G4
Rated Initial Resistance ¹⁾ (Pa)	45 - 85	40 - 100	33 - 76	31 - 91
Recomm. Final Resistance ²⁾ (Pa)	250	250	250	250
Temperature Limits (°C) (continuous operation)	90	90	90	90

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

Standard Dimensions

Nominal Size ^{1,3)} (inches) W x H	Actual Size ^{2,3)} (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 18	595 x 445	2550
24 x 20	595 x 494	2850
24 x 24	595 x 595	3400
14 ¹ / ₂ x 26 ³ / ₄	355 x 665	2260

Airflow Resistance



Notes:

- Width and height dimensions are interchangeable. Filters may be installed with the pleats in the vertical or horizontal position. The pleats are always parallel to the longest cell side unless explicitly specified otherwise.
- Other sizes and air filters in 21 mm (1 inch nominal) depth are available upon request.
- See Technical Data Table for filter depths.

Fire Classification:

- Both filters are Class 2 approved and listed according to UL Standard 900.
- PET media is classified M2 according to NF P92-503, 504 and 505.

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