

# AmAir 300

## HIGH QUALITY PREFILTERS



### Features and Benefits

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

### Applications

Classified G4 according to EN779:2012, the AmAir 300 filter is ideal for protecting more expensive secondary air filters from premature dust loading and replacement. As primary filters, they also help reduce HVAC maintenance costs by preventing unnecessary dust build-up on coils, fans and duct work.

### High Performance Media

With the new AmAir 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 that 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 environmentally and user friendly; it does not contain any harsh resins or artificial colouring. These filters can therefore be readily disposed of by incineration or in a landfill.

### Sturdy, Reliable Construction

The pleated media pack of both ranges 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 at the air leaving and air entering sides. On the air leaving side of the media pack there is a wire mesh pleat support.

# AmAir 300 Filter

## Technical Data

Type	300 - 2"	300 - 4"
Actual Depth (mm)	45	95
Rated Face Velocity (m/s)	1,5 - 2,5	1,5 - 3,2
Average Arrestance <sup>1)</sup> (%)	90 - 95	90 - 95
Efficiency <sup>1)</sup> (%)	-	-
EN779:2012 classification	G4	G4
Rated Initial Resistance <sup>1)</sup> (Pa)	33 - 76	31 - 91
Recomm. Final Resistance <sup>2)</sup> (Pa)	250	250
Temperature Limits (°C) (continuous operation)	90	90

1) All data based on EN779:2012.

2) Recommended final resistance not to be exceeded.

## Standard Dimensions

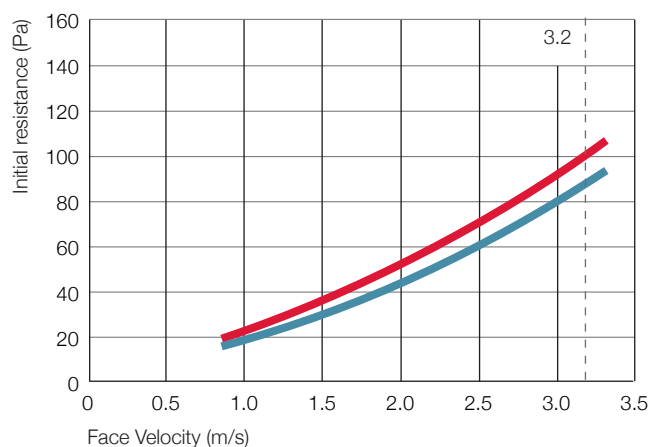
Nominal Size <sup>1,3)</sup> (inches) W x H	Actual Size <sup>2,3)</sup> (mm) W x H	Airflow at 2,5 m/s (m <sup>3</sup> /h)
12 x 24	290 x 595	1700
16 x 20	392 x 494	1870
16 x 25	392 x 621	2380
20 x 20	494 x 494	2380
20 x 25	494 x 621	2975
24 x 18	595 x 445	2550
24 x 20	595 x 494	2850
24 x 24	595 x 595	3400
141/2 x 263/4	355 x 665	2260

## Product information

Filter	Part number	Dimensions (mm) W x H x D	Filter area (m <sup>2</sup> )	Number of pockets or V	Nominal airflow (m <sup>3</sup> /h)	DHC acc. EN779 (g)	EN779:2012 Classification	Initial dp (Pa)	Energy Rating	ISO 16890 Classification	ePM1 (%)	ePM2,5 (%)	ePM10 (%)
AmAir 300	41-3100-2424	595x595x45	-	-	2000	-	G4	35	-	Coarse 60%	-	-	-

Further dimensions are available on request. Until December 31st 2017 filtration efficiency values are certified according to EN779:2012. From January 1st 2018 filtration efficiency values are certified according to ISO 16890.

## Airflow Resistance



45 mm  
95 mm



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