



V - Di



HIGH QUALITY PREFILTERS

- High quality & certified media in high humidity conditions
- Humidity resistance frame
- Strong & well supported media
- Environment-friendly materials
- Sturdy, reliable design

High performance, environment friendly media

With the new V - Di 100 and 300 series of prefilters VAF 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.

Reliable construction

The pleated media pack of both range of filters is installed with a humidity resistance beverage board frame bond thoroughly by strong adhesive. The air leaving side of the media is supported by wire mesh in order to maintain the equidistant between pleats, strengthen the media during turbulence flows, and to maintain the equal air flow over the total media surface, in which all the above constructions will reduce the resistance of the filter and giving positive effects on energy saving.

Applications

Classified G4 in accordance with EN 779, V - Di 100 and 300 plays its important roles in filtering out the bigger particles from the environment air and prolong the operating life span of secondary filter, therefore reduce HVAC maintenance costs.



V - Di

TECHNICAL DATA

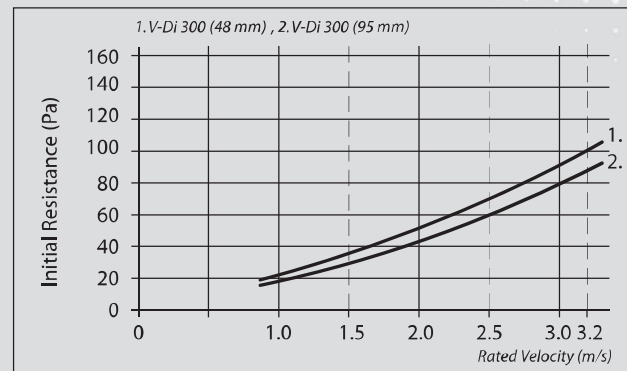
Type	V - Di 100	V - Di 100	V - Di 300	V - Di 300
Actual Depth (mm)	48	95	48	95
Rated Face Velocity (m/s)	1.5 - 2.5	1.5 - 3.2	1.5 - 2.5	1.5 - 3.2
Average Arrestance (%)	90 - 95	90 - 95	90 - 95	90 - 95
Efficiency (%)	-	-	-	-
EN779 Classification	G4	G4	G4	G4
Rated Initial Resistance (Pa)	45 - 85	40 - 100	33 - 76	31 - 71
Recomm. Final Resistance (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 (inches) W x H	Actual Size (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

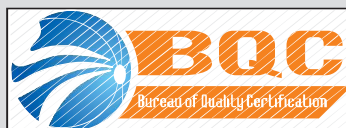


NOTES

- 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.



ISO 9001:2008 Cert. No:686481

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