

# DuraVee® XL

## High Efficiency Barrier Filter for Rotating Machinery

- High efficiency and dust holding capacity
- Water resistant media
- Extended media area
- Sturdy construction
- Fully Incinerable



DuraVee® XL is a 12 inch deep (292 mm.) heavy duty, high efficiency filter developed specially for the rotating machinery industry. It is designed to withstand the rigours of centrifugal compressors, gas turbines and engines where severe surging or pulsation occur.

### Media

DuraVee XL media is water resistant and can withstand exposure to free moisture in the airstream. When wet there will be a temporary

rise in resistance, which quickly returns to normal as soon as the moisture evaporates. The design ensures a full depth loading of dirt across the entire surface of the filter media.

### Construction

The header and cell sides provide a sturdy construction that resist damage during shipping, handling and operation.

### Separators

The hot melt separators maintain uniform spacing between pleats to allow optimal flow of air into and through the filter. They also ensure large effective media area for low resistance and high dust holding capacity.

### Operating Temperature

DuraVee XL filters can operate at temperatures up to 70°C. The filter is fully incinerable.



# DuraVee® XL

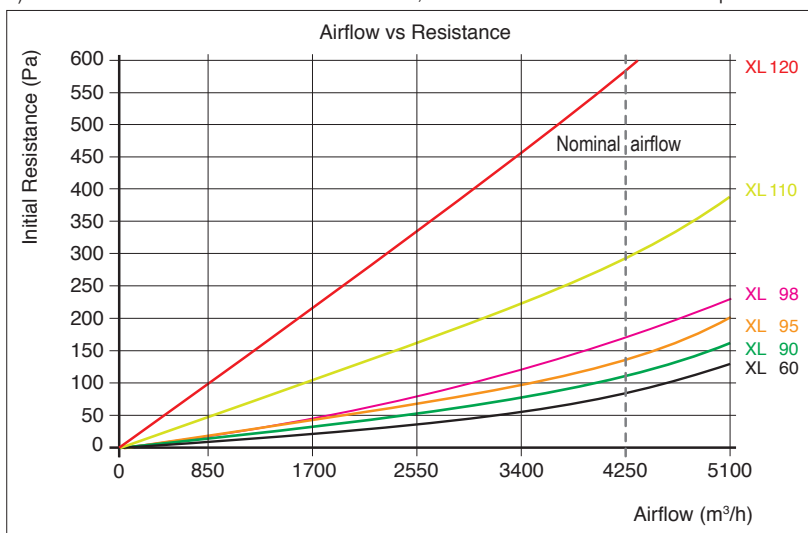
## Specification

Maximum operating temperature	70°C
Media	High efficiency, water resistant glass fibre
Cell sides and header	Polystyrene and ABS
Separators	Hot melt
Faceguards	Plastic faceguards on air leaving side
Gasket	Gasket on air leaving side as standard

## Technical Data

Type	XL 60	XL 90	XL 95	XL 98	XL 110	XL 120
Nominal size (inch) <sup>1)</sup>	24x24x12	24x24x12	24x24x12	24x24x12	24x24x12	24x24x12
Actual size (mm) <sup>1)</sup>	592x592x292	592x592x292	592x592x292	592x592x292	592x592x292	592x592x292
Initial resistance	Pa	Pa	Pa	Pa	Pa	Pa
At 4250 m <sup>3</sup> /h	90	115	130	170	290	575
At 3400 m <sup>3</sup> /h	60	85	100	130	230	460
Final resistance <sup>2)</sup>	635	635	635	635	635	635
Burst pressure	4800	4800	4800	4800	4800	4800
Media area m <sup>2</sup>	17,6	17,6	17,6	17,6	17,6	17,6
Filter class EN779 / EN1822 <sup>3)</sup>	M6	F7	F8	F9	E10	E12
Energy class	E	B	A	B	N/A	N/A
Average Arrestance on AC Fine Test Dust (%)	> 50	> 90	> 90	> 90	> 99	> 99

- 1) Width and height are interchangeable, pleats can be either vertical or horizontal without affecting performance
- 2) Recommended maximum value. Filters can be operated to a lower final resistance without materially effecting filter efficiency
- 3) All performance data based on EN779:2012 / EN1822:2009, according to Eurovent Guideline 4/21 2014 and RS 4/C/001-2015
- 4) Filters are also available in size 490 x 592 x 292 mm and 287 x 592 x 292 mm
- 5) Standard DuraVee® XL filters have 25 mm header; suffix "A" denotes 20 mm header as option



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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. The presented data contains average values within existing specification tolerances. Initial resistance +/- 15%.

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