



Better Air is Our Business®

AmericanAirFilter® **DuraVee® XL**

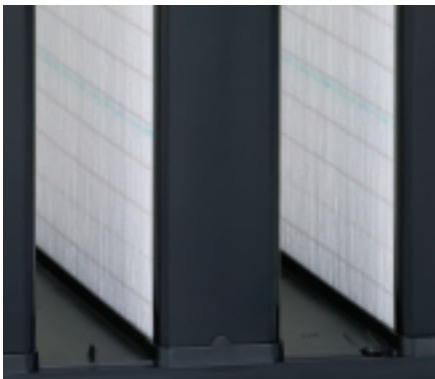
High Efficiency Barrier Filter for Rotating Machinery

- *High efficiency and dust holding capacity.*
- *Water resistant media*
- *Extended media area*
- *Fully incinerable*
- *Sturdy polystyrene and ABS construction*

DuraVee XL is a heavy duty, high efficiency filter developed specially for the rotating machinery industry. It is designed to withstand the rigors 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.



Front view filter detail.



Construction

The header and cell sides provide a sturdy construction that resist damage during shipping, handling, and operation. The DuraVee XL is constructed of high-impact polystyrene and Acrylonitrile Butadiene Styrene (ABS). All components of the DuraVee XL are fully incinerable.

Separators

The thermoplastic 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 176°F/80°C.

Specifications

Maximum operating temperature:	176°F/80°C
Media:	High efficiency, water resistant glass fibre
Cell sides, header, and struts:	Polystyrene and ABS
Separators:	Hot melt
Faceguards:	Plastic faceguards on air leaving side
Gasket:	Gasket on air leaving side as standard

Product Information

Type	XL100	XL98	XL95	XL90	XL60
Nominal size (inch)	24x24x12	24x24x12	24x24x12	24x24x12	24x24x12
Actual size (inch) ^{1) 3)}	23-3/8 x 23-3/8 x 11-1/2	23-3/8 x 23-3/8 x 11-1/2	23-3/8 x 23-3/8 x 11-1/2	23-3/8 x 23-3/8 x 11-1/2	23-3/8 x 23-3/8 x 11-1/2
Initial Resistance (in. w.g.) at 2500 CFM	.90	.68	.48	.40	.36
at 2000 CFM	.74	.52	.36	.30	.24
Final Resistance (in. w.g.) ²⁾	2.55	2.55	2.55	2.55	2.55
Burst Pressure (in. w.g.)	30	30	30	30	30
Media area (sq. ft.)	196	196	196	196	196
MERV	16	15	14	13	11
Average Arrestance) on AC Fine Test Dust (%)	100	99.9	99.9	99	98

1) Width and height are interchangeable, pleats can be either vertical or horizontal without effecting performance.

2) Recommended maximum value. Filters can be operated to a higher final resistance without materially effecting filter efficiency.

3) Filters are also available in nominal size 20x24x12 and 12x24x12.

Performance Data

