DuraVee® HXL

High Capacity, High Efficiency Barrier Filter for Rotating Machinery

- ***High efficiency and dust holding capacity***
- ***Extended media area***
- ***Water resistant media***
- ***Sturdy construction***
- ***Full polymer construction***
- ***Fully incinerable***
- ***Free of halogens***

DuraVee® HXL is a heavy duty, high efficiency filter developed specially for the Gas Turbines industry. It is designed to withstand the rigours of centrifugal compressors, gas turbines and engines where surging or pulsation occur.The DuraVee HXL dust holding capacity is higher than comparable 12 inch deep filters, providing longer periods between replacement.

Media

DuraVee® HXL 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.

Construction

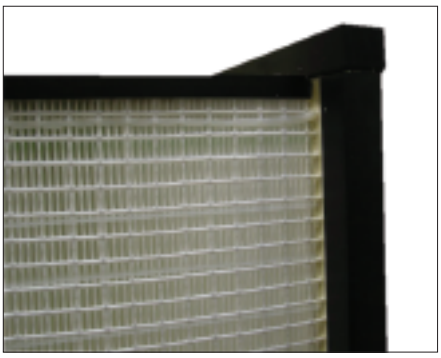
The header and cell sides provide a sturdy construction that resist damage during shipping and handling. Rigid construction and minimum depth make DuraVee® filters easy to install in front, rear and side access systems.

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® HXL filters can operate at temperatures up to 70°C (158 F). The filter is fully incinerable.



Rear view filter detail.

Better Air is Our Business®

AAF INTERNATIONAL

DuraVee® HXL

Technical Data

Type	HXL 60		HXL 90		HXL 95		HXL 98		HXL 100	
Nominal cell size (inch)	24x24x17		24x24x17		24x24x17		24x24x17		24x24x17	
Actual dimensions (mm)	592x592x440		592x592x440		592x592x440		592x592x440		592x592x440	
Initial resistance	Pa	in WG	Pa	in WG	Pa	in WG	Pa	in WG	Pa	in WG
at 5100 m³/h / 3000 CFM	120	0.44	115	0.46	120	0.48	145	0.58	190	0.76
at 4250 m³/h / 2500 CFM	80	0.32	91	0.36	100	0.40	115	0.46	145	0.58
at 3400 m³/h / 2000 CFM	55	0.22	70	0.28	75	0.30	80	0.32	110	0.44
Final resistance[2]	635	2.5	635	2.5	635	2.50	635	2.50	635	2.50
Burst pressure	7600	30	7600	30	7600	30	7600	30	7600	30
Media area m²/ft²	28,1 / 302		28,1 / 302		28,1/ 302		28,1/ 302		28,1 / 302	
Average Efficiency EN779 (%)[1]	60-80		80-90		90-95		>95		>99	
Average Arrestance (%)										
on AC Fine Test Dust	100		100		100		100		100	
Filter class EN779 / EN1822[1]	F6		F7		F8		F9		H10	
Filter class ASHRAE 52.2[1]	MERV 13		MERV 14		MERV 15		MERV 16		MERV 16	

Notes:

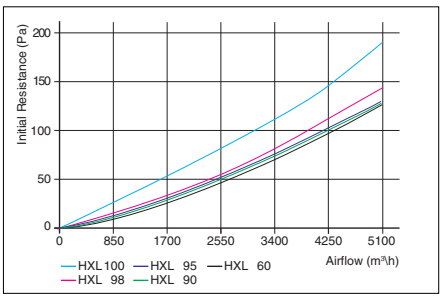
1) All performance data based on EN779:2002 / EN1822 and ASHRAE 52.2.

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

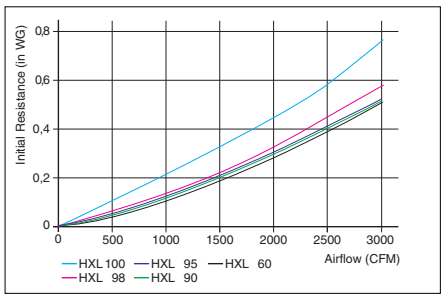
Specification

Maximum operating temperature	:	70˚C (158˚ F)
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

Airflow vs Resistance (metric)



Airflow vs Resistance (US)



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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.

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