

Aero Cell HT - High Temperature Oven Filters

Aerofil offers deep pleat box type filters for high temperature applications. Filters are available in fine filters and in HEPA range. Filters are silicon free and can withstand upto 385° C.

Aerofil Models

Aero Cell HT
Deep Pleat box type filters for high temperature application available from F6 to F9 Grade.

Aero HEPA HT
Deep Pleat box type filters for high temperature application available from H10 to H14 Grade.



Media Features & Technical Details

Filter Media:

AERO CELL HT filters are manufactured from CONTINUOUS length superior quality single micro glass fiber paper media available in various efficiency grades from F6 up to H14. AERO HEPA HT models are the HEPA version products in this range. The filter media is moisture resistant and fire retardant. The uniform and closed pleat filter pack grants a high crossing surface to hold the very fine dusts.

Filter Frames:

The standard frame construction includes fire retardant Galvanized steel (16,18 or 24gauge) and anodized aluminium. High temperature versions are constructed with Stainless steel frames also. Protective wire grids will be provided on both sides as an option.

Sealant & Gaskets:

The pleated media pack is encapsulated into the filter frame using glass pack sealant which can withstand up to 385 Degree Celsius.

Media Separators:

In AERO CELL HT filters, the pleated media is evenly and accurately positioned by corrugated aluminium separators having hemmed edges to add strength and to protect the media pack.

Filter Testing:

The finished filters undergoes a thorough quality checking .They are scan tested individually to ensure a leak proof performance and each filter posses the label showing the scan test result on it. Testing of filters can be done according to the customer's request.

Selection Data:

Filter Size (Inches)	Actual Size (mm)	Class	Airflow (CMH) v/s. Initial Resistance (Pa)	
			165 Pa	250 Pa
A x B x C		EN 1822		
24 x 24 x 12	610 x 610 x 292	H13 / 99.99%	1105	1700
24 x 12 x 12	610 x 305 x 292	H13 / 99.99%	510	775
23 3/8 x 23 3/8 x 11 3/8	592 x 592 x 292	H13 / 99.99%	1050	1600
23 3/8 x 11 3/8 x 11 3/8	592 x 292 x 292	H13 / 99.99%	470	725
12 x 12 x 12	305 x 305 x 292	H13 / 99.99%	230	350

Max. Working temperature 240°C / 385°C | Max. R.Humidity 100% | Final Resistance (Pa) 500

All data are average indicative values with usual manufacturing and testing tolerances. We reserve the right to modify performance data without prior notices due to the constant technical improvement.
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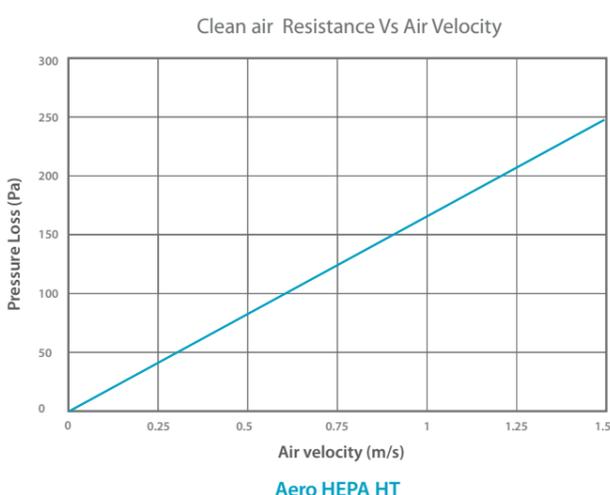
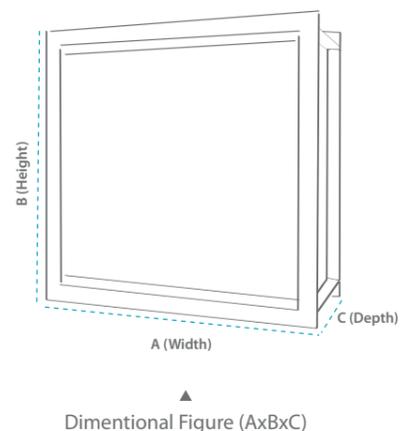


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Selection Data:

Filter Size (Inches)	Actual Size (mm)	Airflow Capacity (CMH)	Initial Resistance (Pa)		
			95%/F8/EU8	85%/F7/EU8	65%/F6/EU6
A x B x C					
23 3/8 x 23 3/8 x 11 3/8	592 x 592 x 292	3400	140	109	81
23 3/8 x 11 3/8 x 11 3/8	592 x 292 x 292	1700	140	109	81

Max. Working temperature 300°C | Max. R.Humidity 100% | Final Resistance (Pa) 500



Other standard sizes available:

- 457 x 592 x 292mm, 292 x 592 x 292mm
- 592 x 592 x 150mm, 457 x 592 x 150mm
- 292 x 592 x 150mm

Equivalent conversion to U.S Units:

- Distance - 25.4mm = 1.0 Inch
- Airflow - 1.7 CMH = 1 CFM
- Media Area - .09 M2 = 1 f2
- Pressure drop - 249 Pa = 1.0 In. wG
- Air Velocity - .005 m/sec = 1 FPM

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