

## Aero Cell MHT - Mini pleat high tempertaure filters

AERO CELL MHT filters are designed as a fine filter for drying plants operating at high temperatures. The filter operates up to 385°C, with lesser pressure drop and longer service life. Maximum recommended pressure drop is 250 Pa.

### Aerofil Models

Aero Cell MHT– Minipleat box type filters for high temperature application available from F6 to H13 grade.



### Media Features & Technical Details

#### Filter Media:

AERO Cell MHT filters are manufactured from continuous length superior quality micro glass fiber paper media available from F6 to H14 efficiency grades. The filter media is free from binders, 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 mini-pleat filters shall have extruded aluminium profiles. These Filters will have expanded wire grid support on both sides. Frames can also be made with SS frame upon request.

#### Sealant & Gaskets:

The pleated pack is encapsulated into the filter frame using glass pack sealant which can withstand upto 385 degree celsius.

#### Media Seperators:

AERO CELL MHT filters consist of closely pleated media, positively spaced using glass fiber separators. This type of pleat separation allows optimum media utilization and offers very low pressure drops.

#### 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 Class	Filter Size (mm)	Filter Area	Air Volume	Pressure Drop
EN 779:1822	A x B x C	M2	M3/H	Pa
F6	480 x 480 x 22	2.2	830	40
F6	915 x 457 x 22	4.0	1510	40
F6	915 x 305 x 40	2.5	1000	35
F6	915 x 610 x 40	5.0	2010	35
F6	595 x 595 x 40	3.1	1270	35
F6	480 x 480 x 40	2.0	830	35
F6	305 x 610 x 55	2.8	870	35
F6	610 x 610 x 55	5.8	1740	35

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.

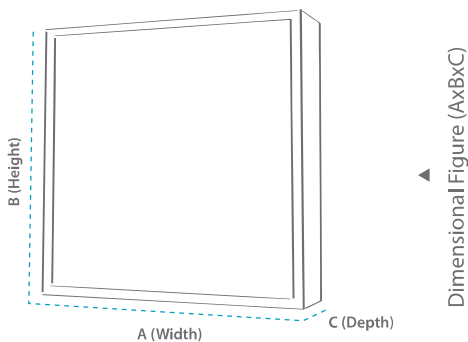
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**Selection Data:**

Filter Class	Filter Size (mm)	Filter Area	Air Volume	Pressure Drop
EN 779:1822	A x B x C	M2	M3/H	Pa
F6	480 x 480 x 55	3.5	1080	35
F6	915 x 457 x 55	6.5	1960	35
F6	305 x 610 x 78	4.1	1080	30
F6	610 x 610 x 78	3.2	870	30
F6	480 x 480 x 78	6.6	1740	30
F6	915 x 457 x 78	7.4	1960	30
F6	915 x 610 x 78	10.0	2610	30
F8	915 x 305 x 40	2.5	1000	135
F8	915 x 610 x 40	5.0	2010	135
F8	595 x 595 x 40	3.1	1270	135
F8	480 x 480 x 40	2.0	830	135
F8	305 x 610 x 55	2.8	870	110
F8	610 x 610 x 55	5.8	1740	110
F8	480 x 480 x 55	3.5	1080	110
F8	915 x 457 x 55	6.5	1960	110
F8	305 x 610 x 78	4.1	1080	90
F8	610 x 610 x 78	3.2	870	90
F8	480 x 480 x 78	6.6	1740	90
F8	915 x 457 x 78	7.4	1960	90
F8	915 x 610 x 78	10.0	2610	90
H13	305 x 610 x 78	5.6	600	250
H13	610 x 610 x 78	11.8	1200	250
H13	762 x 610 x 78	14.9	1500	250
H13	915 x 610 x 78	18.0	1800	250

● Max. Working temperature 385°C ● Max. R.Humidity 100% ● Final Resistance (Pa) 350



**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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