



*Power Metal Technologies
(M) Sdn Bhd*

Your reliable one-stop HVACR OEM MANUFACTURER

AIR FILTER

PMT does offer the filter in order to supply the complete AHU. There is 3 major type of filters offered:

- 1.) Pre-filter
- 2.) Bag Filter
- 3.) HEPA Filter

Pre-filter

Frame was designed of rigid Aluminum / Galvanized frame. However media is made of synthetic media fiber with high technology. In order to get the highest efficiency of the filter, the filter was design with the media was installed pleated type in order to increase the surface area to get the highest filtration operation.



- Rigid frame made of AL / GI frame
- Synthetic media
- High dust holding capacity
- With EN779 classification : G2, G3 and G4
- Available arrestance : 75%, 85% and 95%.
- Max operating temperature 200 degree C.
- Available standard size 24x24inch, 12x24inch and 20x24inch with 1/2inch, 1 inch, 2 inch and 4 inch thickness.

Note : Pleated media available in 2 inch and 4 inch thickness only.

Bag Filter



Designed with the pockets are assemble into the frame by mouth ring to form a structure to prevent pocket drop off during operation. Filter media was made of high quality synthetic fiber which consists of 4 layers. It provides high holding capacity and low resistance. Needle pinching and melt blown layer is providing the filter efficiency. However, the pockets are ultra sonically sealed to prevent air leakage. Pockets are hold by the mouth ring to ensure the pocket can handle air flow constantly and enhance utilization area. This is to improve the dust holding capacity and reduce resistance.



- High performance synthetic fiber
- Ultra Sonic sealed type pocket filter
- Rigid filter frame made of Galvanized steel. Optional with Aluminum frame
- High dust-holding capacity
- Low initial resistance
- Average Dust Spot Efficiency : 40-55%, 60-65%, 80-85% and 90-95%.
- With EN779 Classification : F5, F6, F7 and F8
- Max Temperature: 60 degree C.
- Rated air flow 2.5m/s
- Common size – 24x24x1 inch, 12x24x1inch, 20x24x1inch with various pocket lengths

HEPA Filter

Designed with rigid metal frame. The filter was constructed of AL separator pleated with media pack in order to provide the high efficiency with lowest possible resistance. This construction would increase the surface area of the filtration being fully occupied by the air passed by.



- High efficiency with 99.95% at MPPS (H13) and 99.995% at MPPS (H14) accordance with EN 1822.
- Media made of water proof glass fiber.
- Readiness of handling the high air flow or air volume capacity.
- Suitable for environment with moisture contain and humidity.
- Available in wooden, Aluminum, stainless steel and galvanized casing.
- High dust holding capacity.
- Temperature resistance up to 80 degree C.
- Humidity resistance up to 100%
- Standard filter size – 24x24x12inch, 12x24x12inch and 12x12x12inch.

Note: Detail specifications are subject to change without prior notice.



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