

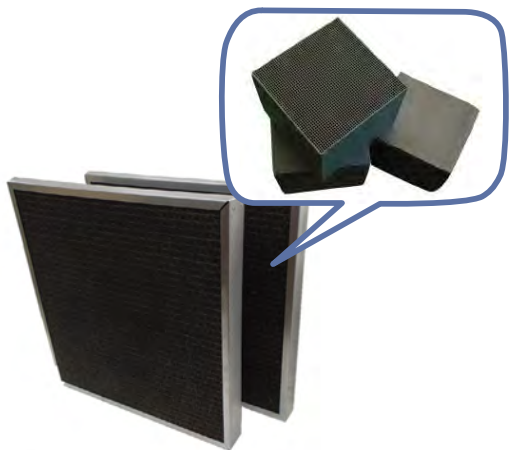
Matrix & Honeycomb Modules



Other Adsorbent Media Filters

MATRIX FILTER:

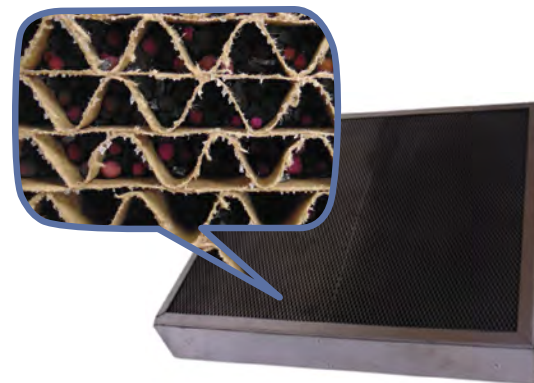
Adsorbent media matrix blocks are aligned and encased in the recycled frame and screen to be installed into various filtration systems to provide the superior performance of PureAir’s adsorbent media. The matrix blocks have a monolithic structure and can be made of either PureAir ACX, Ammoniasorb, or Sulphasorb chemical adsorbent media. The size and shape of the monolithic structure of the cells leads to turbulent flow and superior performance. The system also has no bypass and a very low pressure (146 Pa at 2.5 m/s or .58 iwg at 500 fpm) which means total air filtration with efficient energy use. More information below regarding our Matrix 10 cm (4 in).



Exact Size mm (in)	Media/Filter kg (lbs)	Airflow m ³ /h (cfm)
594 W x 594 H x 95 D (23¾ W 23¾ H 3¾ D)	9.8 (22.0)	3398 m ³ h (2000 cfm)
495 W x 622 H x 95 D (19½ W 24½ H 3¾ D)	8.2 (18.0)	2950 m ³ h (1736 cfm)
495 W x 495 H x 95 D (19½ W 19½ H 3¾ D)	6.8 (15.0)	2360 m ³ h (1389 cfm)
394 W x 495 H x 95 D (15½ W 19½ H 3¾ D)	5.4 (12.0)	1888 m ³ h (1111 cfm)
289 W x 594 H x 95 D (11¾ W 23¾ H 3¾ D)	4.9 (11)	1000 m ³ h (589 cfm)

HONEYCOMB LOOSE-FILL MEDIA TRAYS:

Any of PureAir’s high quality chemical adsorbent media can be housed in one of our HoneyComb trays to fit any air handling unit. As shown, we offer a variety of dimensions in 1, 2, or 4 inch tray depths, depending on the space and pressure drop requirements. This product was developed for those that may need a thinner filter than our Matrix (4 in depth) described above, and also may need a blend of various medias to remove various unwanted gases. In addition, the tray volume can be filled at 50%, 75%, 100% of media, depending on the filtration and air resistance restraints. Filters are available in all common ASHRAE sizes. Ask Factory about any custom requests.



*Picture above shows the 5 cm (2 in) deep, 61 x 61 cm (24 x 24 in) trays.

Available Depths	Estimated Pressure Drop at 2.5 m/s (500 ft/min) with 50% Media Fill	Estimated Pressure Drop at 2.5 m/s (500 ft/min) with 75% Media Fill	Estimated Pressure Drop at 2.5 m/s (500 ft/min) with 100% Media Fill
2.5 cm (1 in) depth	55 Pa (.22 iwg)	124 Pa (.5 iwg)	224 Pa (.9 iwg)
5 cm (2 in) depth	311 Pa (1.25 iwg)	572 Pa (2.3 iwg)	Not Available
10 cm (4 in) depth	493 Pa (1.98 iwg)	672 Pa (2.7 iwg)	Not Available