

CARBONBOX Carbon Modules

Activated carbon modules fitted with high quality activated carbon pellets designed for odour mitigation of commercial kitchen exhaust

- **Odour mitigation of commercial kitchen exhaust effluent** when ozone injection is not feasible or advisable
- **Comply to AS1668.2-2012 for horizontal discharge** of all cooking process types guaranteeing compliance through AOM Performance Certification when coupled with AOM SCRUBBOX electrostatic precipitators for particle filtration
- **Minimising the risk of nuisance of exhaust discharges:** through high efficiency odour mitigation removing odour nuisances at the discharge point



Designed to complement the AOM SCRUBBOX Series Electrostatic precipitators

AOM SCRUBBOX Electrostatic precipitators are certified to remove 98% of grease and smoke particles. The AOM CARBONBOX carbon modules then act on the remaining odour content.

Carbon filter modules with UV lights

The AOM CARBONBOX modules can be fitted with UV treatment as a final odour mitigation step.

Activated carbon to suit cooking exhaust and readily available on the local market

The units are equipped with microporous granular activated carbon which is adapted to the treatment of air streams containing Volatile Organic Compounds – i.e. kitchen exhaust.

Certification and Testing

University of Sydney tested to removed 90% of Volatile Organic Compounds (VOCs) found in AS1668.2-2012 cooking process Type 4 (heavy chargrill cooking). This is in line with equivalent on site independent odour mitigation testing to Australian Standards to Odour Assessments (AS 4323.3) Determination of odour concentration by dynamic olfactometry).

T Series
CARBONBOX MODELS
NOW AVAILABLE
CUSTOM BUILT OR STANDARD SIZE MODELS MADE IN
AUSTRALIA (LICENSE 11096) IN DURABLE STAINLESS STEEL
AUSTRALIAN MADE®

Key Clients





Technical Data

Model	200	300	400	600	800
Weight (kg) (includes carbon)	65 kg	80 kg	100 kg	150 kg	200 kg
Airflow (L/s)* Recommended maximum airflow	up to 945 L/s	up to 1415 L/s	up to 1890 L/s	up to 2800 L/s	up to 4000 L/s
Recommended airflow for high efficiency filtration	up to 470 L/s	up to 725 L/s	up to 1000 L/s	up to 1500 L/s	up to 2000 L/s
Size (mm) L x W x H	620 x 520 x 650	850 x 520 x 650	1100 x 520 x 650	1650 x 520 x 650	2030 x 520 x 650
Exhaust outlet/ inlet(mm) (internal dimensions) W x H	450 x 500	670 x 500	930 x 500	1400 x 500	1860 x 500
No. of SS304 carbon tubes	9 tubes	12 tubes	18 tubes	27 tubes	36 tubes
No. of UV lights	2	3	4	6	8
UV light specifications	10W, 44.5V, 0.23A				
Housing Material	Powder-Coated Galvanized Steel (1.0 mm)				
Maintenance space required (mm)	770 w x 1000 d x 650 h				
Pressure Drop (pa)	150 Pa (clean) 300 Pa (dirty)				
Power Supply	220~240 V / 3 Ampere				
Flange Connection (mm)	40 mm				

* Chosen airflow values filters will significantly affect final filtration efficiencies. When choosing airflows, factors such as the type of cooking and the requirements of the discharge point need to be considered. Contact your AOM distributor should you have any questions.

Additional Photos

