

AIR POLLUTION CONTROL SYSTEM FOR FOOD PREMISES

Stainless Steel Honeycomb Filters for Kitchen Exhaust Hoods

AOM Stainless Steel Honeycomb Filters comply with the BCA and the relevant Australian Standards:

- AS 1668.2-2012 Mechanical ventilation in buildings
- AS 1530.1 Methods for fire tests on building materials, components and structures-combustibility test for materials.



A. Suggested specification

The kitchen exhaust hood shall be fitted with AOM HS-Series honeycomb filters. They should be tested according to AS 1530.1. The manufacturing and installation shall meet all relevant Australian/NZ Standards.

The filters construction shall be in stainless steel. The maximum airflow and velocity recommended shall be respected. The filters shall be installed and maintained according to AOM specifications.

B. Technical specification

The filter frame and media are made of stainless steel which prevents cooking flames getting into the ductwork. The filter also works as a grease filter.

C. Stainless Steel Honeycomb Filters Sizes

HS01	495 x 394 x 50mm	400 litres/second at 2.54 m/s
HS02	495 x 495 x 50mm	515 litres/second at 2.54 m/s
HS03	457 x 381 x 50mm	335 litres/second at 2.54 m/s
HS04	495 x 254 x 50mm	230 litres/second at 2.54 m/s

D. Performance Data

Resistance

Clean resistance @ 1.78 m/s- 15 Pa
Clean resistance @ 2.54 m/s- 25 Pa

Efficiency

Av. Efficiency at 1.78 m/s- 97% (8 microns)
Av. Efficiency at 2.54 m/s- 96% (8 microns)

Temperature

Max. Temperature for extended period of time 95°C.

E. Cleaning maintenance

For standard type of cooking, the cleaning of the honeycomb filters should occur monthly, at a minimum. For heavy cooking- such as char-grilling and charcoal cooking- the cleaning of the filters should occur weekly, at a minimum. An accredited cleaning maintenance company have the facilities and experience in cleaning the filters according to manufacturer's recommendation.

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