

Overview

KSA filters provide superior filtration for Capture Jet™ Kitchen Exhaust Canopies.

Mechanical grease filters are used to remove particles from the exhaust airflow and provide primary fire protection to prevent flames from penetrating into the exhaust system. To provide high-efficiency grease extraction, Halton have developed and patented the UL1046 and NSF-certified KSA multi-cyclone filter.

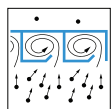
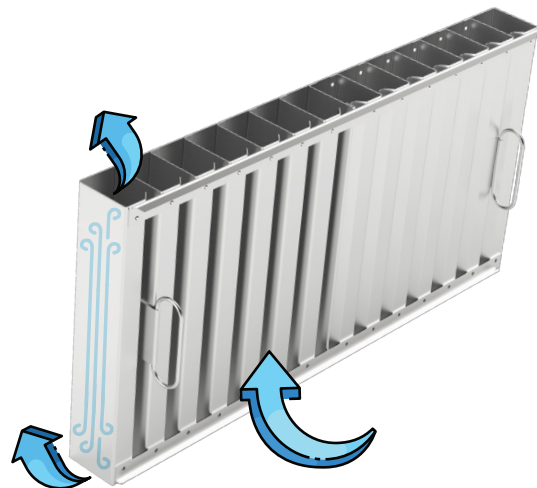
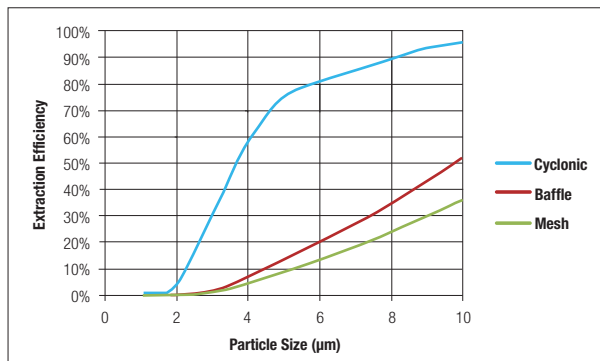
The unique KSA filter is constructed of multiple cyclone chambers with high fractional efficiency to remove 95% of grease particles sized ten microns and above by centrifugal separation. Grease and moisture particles drain from the inclined cyclone chambers into a grease collection cup for safe disposal & recycling.

The cyclone chambers maintain a constant pressure drop throughout the operating cycle so design airflows can be maintained with a lower exhaust fan operating cost. KSA filters are robust and can be easily removed and passed through a hood type dishwasher to keep the kitchen clean and hygienic. Independent laboratory tests prove that this is the most efficient mechanical grease filter on the market.



Features

- **Flame & Spark Arrestance: AS1668.1 2015 (Clause 6.2.9):** Requires that exhaust systems with duct lengths exceeding 10m and/or with possible exposed flame or embers generated by the cooking processes, the filters must be UL1046 Certified. Every KSA filter carries a "UL1046 classified" certification stamp.
- **Hygienic:** NSF-certified for safe use over food preparation areas to remove grease from the air and prevent grease from falling back onto the food and cooking appliances. Durable Stainless steel (AISI 304) construction allows for easy removal and cleaning in the dishwasher.
- **Efficient:** (AS1668.1-2012) KSA Filters have been tested using VDI 2052 standard test methods and are proven to remove over 95% of particles 10µm size and above. The non-clogging design ensures ongoing contaminant removal with lower fan energy cost.



Cyclonic Filter

95% efficient on 10µm and above particles

Notes

Kitchen Exhaust Hood shall comply with the requirements or NCC 2015 and AS1668.2 2012. Constructed from 1.2 mm AISI 304 Satin finish with welded exhaust plenum. The hood shall be supplied complete with vertical and horizontal Capture Jet™ technology, high efficiency UL1046 Certified Cyclonic Filters (KSA) and pressure measurement points, exhaust and supply air adjustment dampers, and flush light fittings to provide minimum 500 lux at the cooking surface. The size shall be as indicated in the drawings. The hood will be designed to save energy and the airflow will be calculated using convective heat calculations methods. Make-up air will be supplied at low velocity through the front face of the canopy.