



KWI - COLD MIST & WASH, FILTER HOOD

With UL1046 classified filters and water mist, auto wash, Capture Jet™.



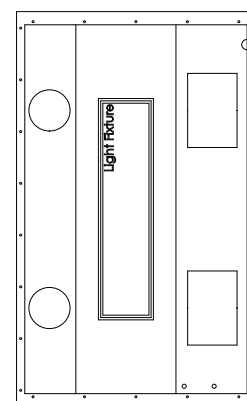
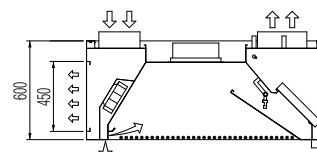
Overview:

Halton KWI exhaust hoods are designed for use where an exposed flame or embers may be present as part of the cooking process or where the length of an exhaust duct within the building exceeds 10m. (ref AS1668.1 2015 Cl.6.2.9). The KSA filters are UL1046 Classified for flame and spark arrestance. Cold mist is sprayed onto filters to cool the exhaust air before it enters the exhaust system. The cyclonic action of KSA filters and cold mist, washes embers and contaminants from the airstream. A hot water wash cycle cleans away combustible deposits, reducing the cost of manual cleaning and mitigates the risk of fire. KWI hoods have perforated front face panels for make-up air to be supplied through the hood.

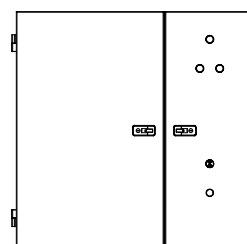
Features:

- **Design:** Complies with AS1668.2 as proprietary kitchen exhaust hoods designed to proven and tested standards. (ASTM F1704, VDI 2052) Complies with AS1668.1 2015 for flame and spark arrestance.
- **Alternative Solution:** Where a separate exhaust system for charcoal cooking equipment is not possible, the KWI hood may be the key for an alternative solution (project specific review required).
- **Effective:** Halton Capture Jet™ technology is the controlled horizontal jets and vertical air curtains that improve capture and containment by 30 - 40%.
- **Efficient:** UL1046 Classified Cyclonic filters are permitted for Flame and spark arrestance. The Addition of cold mist provides the ultimate protection and separation of contaminants.
- **Auto Wash:** The KWI hood automatically washes its filters & exhaust plenum with hot soapy water and rinses away soot and oil at the end of each day to maintain hygiene, reduce cleaning labour and reduce fire hazard.
- **Safe:** The auto wash cycle reduces potential for operator injuries associated with reaching into hoods for manual cleaning. The cool mist extinguishes live embers to reduce the risk of fire. The exhaust air is cooled below the flash point of oil vapours for safety.
- **Healthy:** The Halton KWI hood provides a cleaner, safer and healthier work environment for kitchen staff, customers and neighbours.
- **Easy:** Capture Jet™ Hoods are easy to install with full perimeter hanging rails and with power leads for quick connection by installers. The Water Control Cabinet has connection points for water, power and signals wires for BMS and Fan controls.
- The KWI can have Ansul R-102 or Piranha fire suppression added at the factory for a complete fire safety solution

Typical Section & Plan:



LED Down or LED Tube lights



Water Control Cabinet

*For dimensions refer to project drawing



Capture Jet™ technology
Better smoke capture
and reduction of the
exhaust airflow rates



Cold Mist technology
Sparks, grease
and heat arrester



Hot Wash technology
Washes down
the plenum
automatically



Cyclonic filter
95% efficient
on 10um and
above particles

Recommended Combinations:



Built-in Fire Suppression
Engineered
& pre-installed
from factory



Typical Specification Text:

Kitchen Exhaust Hood must be a Proprietary design with UL1046 Certified Cyclonic Filters (KSA), water mist and auto wash and Capture Jet™. LED Down/Tube lights must be included to provide 500 Lux at the cooking surface. The hood will be designed to the performance standard ASTM 1704 and manufactured from 1.2 mm AISI 304 satin finish. The hood will be a Wall positioned unit with size and airflows as detailed on the approval drawing. The hood will be supplied with the remote Water Control Cabinet.

Due to continuous product research and development,
the information contained herein is subject to change without notice.

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Notes:
Dimensions of hood, size and position of collars will be detailed on each job specific approval drawing. Large hoods must be supplied in sections. Purchaser must check site access constraints.

230V 10A power supply is required above left end of hood for lighting circuit (by others).
230V 10A power supply and 20mm Hot and Cold Water supply is required to the Water Control Cabinet (by others).
20mm Hot and Cold Water plumbing connections are required from cabinet to each Hood section (by others).