

# AAVENT

## Water Wash Exhaust Hood



Greening your kitchen!



## GREENING YOUR KITCHEN WITH EASE!

The development of AVAVENT™ Water Wash Exhaust Hood is based on the “Greening the Kitchen” concept.

Following the green philosophy, our water wash exhaust hood is built with an automatic water wash system, which can eliminate the hot and grease-laden exhaust air efficiently before discharge. Besides, it can also improve the working environment and reduce the risk of fires inside the exhaust ducting.

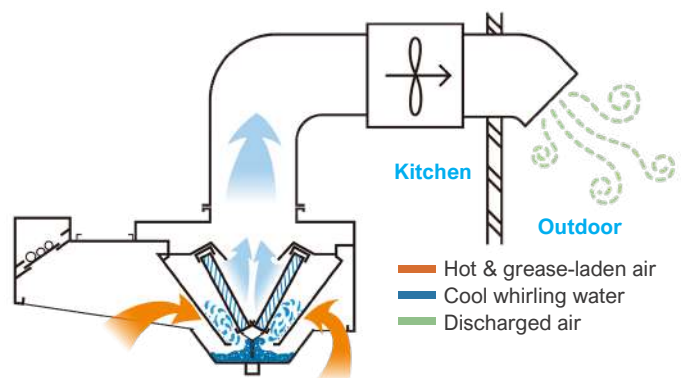
### Advantages of AVAVENT™ Water Wash Exhaust Hood

- Unlike the traditional method which uses water pump, the AVAVENT™ water wash system is purely driven by air flow. Therefore, no water circulation pumping system is required, and hence lower maintenance cost;
- Header pipe with spray nozzles along the exhaust plenum uses only clean water, eliminating the usual pipe clogging problem;
- When the cooking smoke passes through the whirling water and baffle filters in the exhaust plenum, the grease in the air can be removed thoroughly, resulting in higher performance than the traditional water wash exhaust hood;
- Less grease accumulation in the ducting and exhaust fan. Therefore, less maintenance is required and the life span of the exhaust fan is prolonged;
- The water spray system acts as a fire wall which reduces the risk of fires inside the ductwork;
- The cool whirling water in the exhaust plenum can cool down the whole exhaust hood and reduce substantially the amount of heat radiated from the hood, leading to a much better working environment;
- The double-inlet system increases the efficiency of extraction;
- Water supply to the exhaust hood is separated from the wastewater reservoir, therefore no risk of contamination to the water source.

### Operation

#### GREASE REMOVAL

- The cool whirling water created in the exhaust plenum by the exhaust air current crushes against the hot and grease-laden air. Grease and part of the odor particles are then captured by the whirling water;
- The stainless steel baffle grease filter will further filter the water vapor before it goes through the exhaust duct.



#### AUTOMATIC CLEANING

- Automatic cleaning can be programmed at any preset time to ensure that the interior of the exhaust plenum is clean at all times so that the performance of the hood can be maintained;
- Clean hot water and detergent can be applied in order to achieve a better cleaning result.

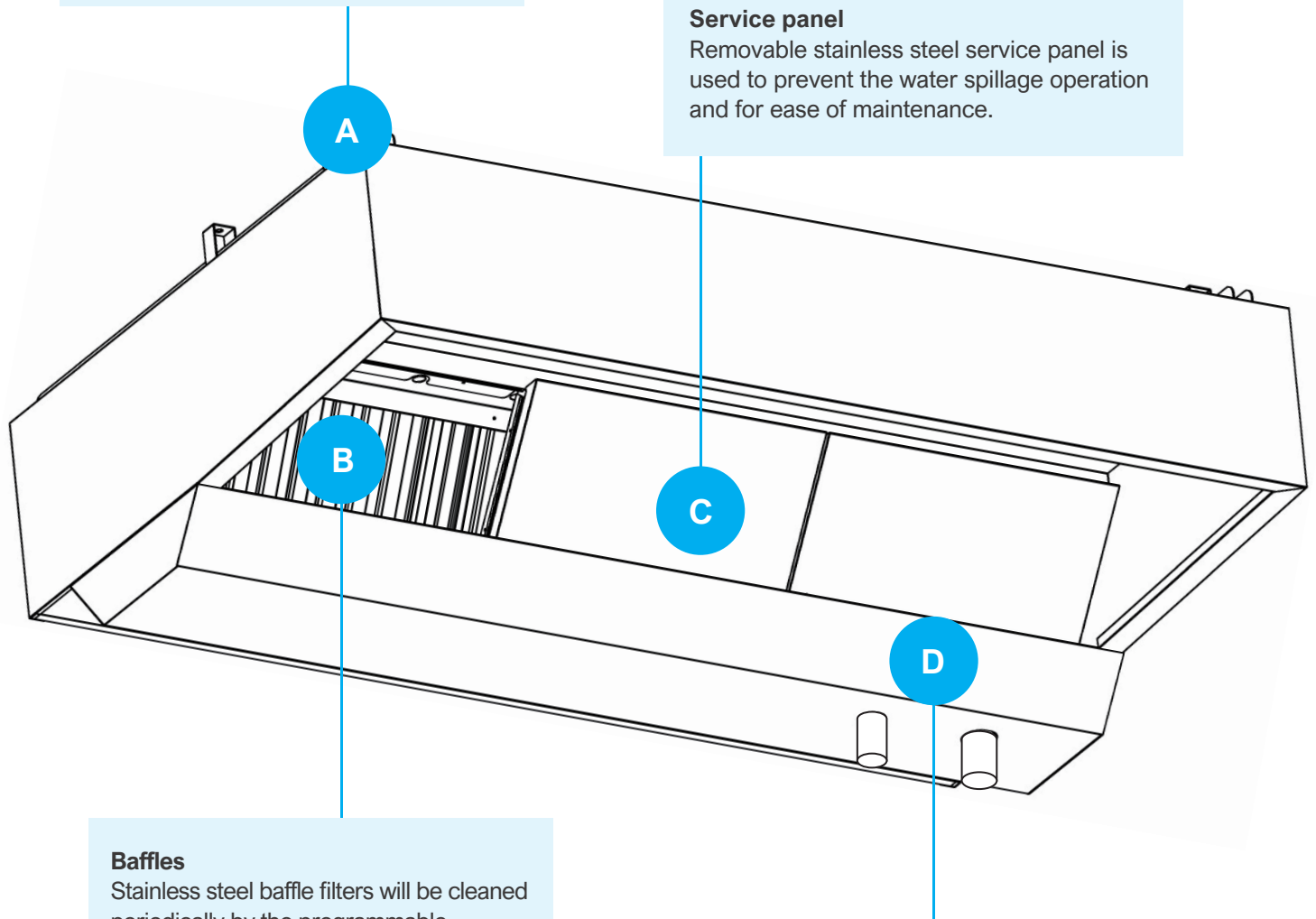
## Hood Structure

### Hanging fitting

Unit comes with hanging fitting for easy installation.

### Service panel

Removable stainless steel service panel is used to prevent the water spillage operation and for ease of maintenance.



### Baffles

Stainless steel baffle filters will be cleaned periodically by the programmable automatic cleaning system.

### Water trough

Water trough below the hood is built with overflow. It is not only act as a reservoir to supply water for whirling water in the exhaust plenum, but also drain away the wastewater continuously when overflow.

## Features

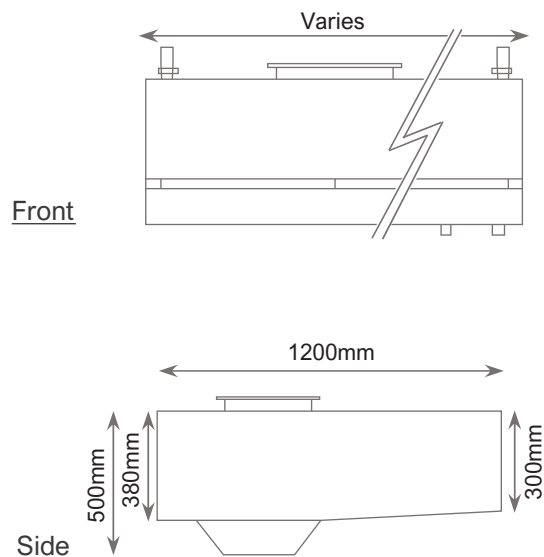
- AISI 304 stainless steel construction of the hood
- Stainless steel baffle grease filter with removable service panels
- Automatic cleaning is programmable
- Header pipe with water spray nozzles along the exhaust plenum for automatic cleaning
- Full welded water trough with drain connections ensures zero water spillage and efficient removal of wastewater
- Canopy is built with 3000k recessed light fittings
- Modular design of the exhaust plenum allows for customization and easy onsite assembly
- Programmable control panel enables easy and efficient operation

### OPTIONAL ITEM(S)

- Fire suppression system, e.g. Ansul R-102
- Hot water supply system
- Detergent supply system

## Specifications

Model	WWH1200DI
Depth of hood	1200mm
Water consumption rate	3 ltr / hr / m
Exhaust requirement	1,700~1,8500 m <sup>3</sup> /hr / m
Static air pressure	350Pa
Water supply requirement	Ø12mm cold water pipe with valve
Drain requirement	1 x Ø50mm within 6m
Light fitting power	50W / m (individual switch is required for light fitting)
Control panel power	220V / 50Hz / 1ph, 1kW



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