

# CMW-IMOD – Cold Mist On Demand Hood (CE)



## Overview

CMW-IMOD hoods are specially designed for heavy duty or solid fuel cooking appliances, such as charcoal ovens, barbecues, gas woks or charbroilers. They are equipped with the Cold Mist technology used to drive the inherent fire risk down to the level of standard cooking appliances.

The Cold Mist technology is based on the use of a continuous, full-length fine Cold Water Mist facility inside the exhaust plenum of the hood. It has proved to be extremely efficient at removing FOG (fats, oils and grease) from the airstream, thus also reducing odour emissions at the point of discharge, for the benefit of neighbouring premises. It also acts as an effective “Spark Arrestor”. Fire safety can’t be higher.

The high efficient KSA cyclonic filters complete the action of the Cold Mist. It removes the particles that may pass through the cold mist or continue providing a high filtration when the Cold Mist is not activated.

With the Mist On Demand technology (MOD), the water mist is activated on demand, only when it is strictly required. This is a safe and responsible approach that saves up to 80% on the cold water consumption.

All hood models are also equipped with the Capture Jet™ technology.

### Considerable energy savings

- Up to 40% reduction in exhaust airflow rates due to **Capture Jet™** technology.
- Possibility to extend the airflows reduction to up to 64% with **M.A.R.V.E.L.** energy savings technology.

## Improved safety and maintenance savings

- The **Cold Mist** reduces the exhaust air temperature, preventing the risks due to high duct surface temperature.
- **KSA cyclonic aerosol separators** complying with EN 16282-6, 95% efficient on 10 microns particles or larger (also UL, NSF and LPS certified).
- The combination of the **Cold Mist** and the **KSA cyclonic filters** prevents the build-up of grease deposits in the ductwork.
- The **Cold Mist** acts as a spark and flame arrestor to prevent igniting the minimal tar and creosote deposits in the ductwork.
- The **Water Wash** technology automatically cleans the filters with no staff intervention so that they can entirely devote to production.
- The fire risk of heavy duty cooking appliances is reduced back to that of standard cooking appliances.
- The **On Demand** option activates **the Cold Mist** only when required and saves up to 80% on the water consumption.

## Other features

- HACCP certified (Hazard Analysis Critical Control Point).
- No need for an extra duct for the **Capture Jet™** technology.
- Capture Jets are automatically switched off when the hood is not used or operates at a minim airflow.
- Requires **CCW** control cabinet for the automatic washing cycles and Cold Mist management.
- Equipped with **Halton Connect** IoT (Internet of Things) platform with advanced 24/7 distant monitoring capabilities.
- Highest value of ownership thanks to **Halton Connect & Care** smart services available as an option from kitchens commissioning.
- **Halton Skyline** LED culinary light provides the best visual comfort while contributing to further improve the safety and the energy savings.
- When extended to the whole kitchen, the Human Centric version of **Halton Skyline** directly contributes to chefs' and their teams Wellbeing.
- Exhaust airflow rates determined with a EN 16282-1 based calculation method taking into account the loads of the cooking appliances, the configuration of the extract system and its capture and containment efficiency.
- Capture and containment efficiency tested in accordance with the ASTM 1704 standard.
- Quick and easy commissioning. Hoods delivered "ready to install", with all accessories included, such as light fitting, T.A.B.™ taps and dampers for quick balancing on-site.
- Sturdier and easier to clean- Less parts and less joints. Stainless steel construction.

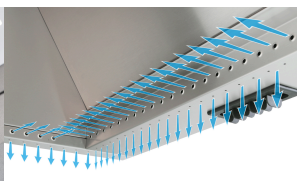
## More about the main embedded technologies



Halton Connect



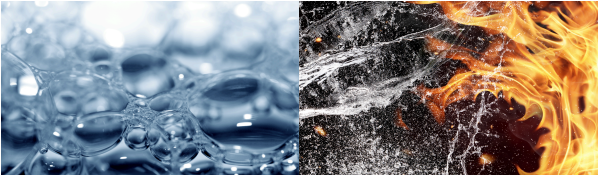
Halton Skyline



Capture Jet™



KSA Filters



Water Wash

Cold Mist  
On Demand

## Recommended combinations with other products or technologies

To further enhance the performance of your kitchen, whether talking about the energy savings, safety, Indoor Environment Quality (IEQ) or the kitchen’s impact on the environment, here are couple of combinations with other Halton products or technologies we recommend you.



**Further increase the energy savings and improve the working conditions of the staff**

Go for [M.A.R.V.E.L.](#) energy saving technology for kitchens ventilation



**Get peace of mind by making no compromise on fire safety**

Go for the factory pre-installed FSS [Fire Suppression System](#)



**Optimize the ductwork cleaning costs and further improve your safety**

Go for KGS [grease deposition level monitoring system](#) for ductwork

## About Halton Connect & Care



[Halton Connect](#) is a state-of-the-art IoT (Internet of Things) platform whose core is an advanced cloud-based portal. It enables 24/7 remote monitoring of the solutions designed by Halton. It allows access to important and useful information along with powerful data analytics to the end users. It also provides crucial information to our engineers. In return, they can remotely and safely control all systems and their settings when required.

This digital “two directions” technology opens the way to Premium Services that are vital to keep the performance of the systems and technologies at the initial design level and during the entire

lifecycle. Even better! They enable continuous optimisation of your systems, resulting in even lower operating costs.

[Halton Connect for commercial kitchen ventilation](#)