

# UVF – Capture Ray™ hood (CE)



## Overview

UVF hoods are particularly suitable for LEED (Leadership in Energy and Environmental Design) projects and can be used in all closed, open or show kitchens (hotels, hospitals, gastronomic restaurants, central kitchens, etc), especially those located in dense urban areas or whose ducts are difficult to access.

UVF hoods are equipped with the UV Capture Ray™ technology that neutralises the grease carried by the exhaust air. By carefully selecting the number of UV lamps, airborne cooking odours will be so minimal that it can negate the need to discharge the vitiated air at high level from the building.

Eliminate neighbourhood and safety concerns, establish your restaurant wherever you choose, and save a great deal on your energy bill and cleaning costs.

UVF hoods are also equipped with the Capture Jet™ technology and a low-velocity make up air on the front face.

### 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, maintenance savings and respect for the neighborhood

- Two mechanical filtration levels. **KSA cyclonic aerosol separators** complying with EN 16282-6, 95% efficient on 10 microns particles or larger (also UL, NSF and LPS certified). Mesh filters as second filtration level.

- Neutralisation of remaining grease particles and vapors after mechanical filtration thanks to the **Capture Ray™** technology.
- The drastic reduction in grease deposits greatly lowers the cleaning costs for the ductwork and the exhaust plenums. Hygiene and fire safety are at an optimum level.
- The **Capture Ray™** technology also reduces drastically the odors emissions and enables establishing restaurants in dense urban sites.
- Total access security to UV-C lamps.
- The **UV On Demand** option activates the lamps only when cooking appliances are actually used and saves up to one lamps set where other UV systems require two.

### Other features and benefits

- 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.
- Better capture efficiency and comfort for the staff thanks to a low-velocity diffuser built into the front.
- 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.

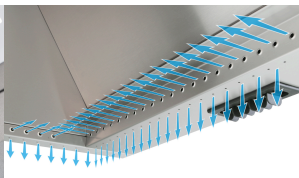
### More about the main embedded technologies



Halton Connect



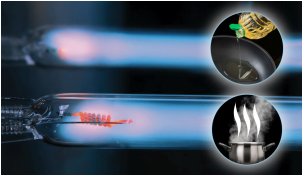
Halton Skyline



Capture Jet™



KSA Filters



Capture Ray™  
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



**Establish your kitchen wherever you chose and increase once more the energy savings**

Go for [PolluStop](#) and [Aerolys](#) exhaust and supply Air Handling Units



**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](#)