

Halton Capture Ray Series

The Halton UV-range is specifically engineered for various commercial kitchen applications. The Halton Capture Ray is available in the following hood models:

- **KVI** – High efficiency kitchen hood with Capture Jet and UV-technology
- **KVF** – High efficiency kitchen hood with Capture Jet, supply air and UV-technology
- **KVL** – Exhaust backshelf hood with Capture Jet and UV-technology, especially for grill and fryer with very optimised air flow.



Halton Capture Ray – Ultra-violet technology



We Care for Indoor Air



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Clean Operation Clean Benefits

Halton Capture Jet technology incorporates the commercial kitchen's latest innovation: the Capture Ray with ultraviolet light technology. Scientifically proven results give added value in fire safety, running costs and the environment:

- Clean exhaust ducts and plenum for improved hygiene and fire safety
- Duct cleaning costs are reduced
- Reduced odour emissions
- Fast payback time and lower running costs
- Clean and harmless by-products contribute to environmentally friendly operation
- Low air flow rates and savings in energy consumption with Capture Jet technology
- Comfortable working conditions and increased productivity in the kitchen
- Scientifically tested system with world-wide references

Halton Capture Ray system exposes cooking effluent to UV light, which breaks down grease molecules into smaller harmless compounds. The compounds are carried out with the exhaust airflow, leaving grease-free ducts and roof and reducing odours at the fan discharge.



With Halton – it's always a total solution

Total system efficiency is the starting point for a fully operable UV system. The system design evaluates both exhaust and supply based on actual heat loads and Capture Jet efficiency.

Halton Capture Jet™ high efficiency hoods are now available with Capture Ray UV-technology. Capture Jet hoods create a healthy and productive working environment by preventing the heat and impurities produced by cooking appliances spreading to the work area. Compared to conventional exhaust-only canopies, Capture Jet is 30% more efficient, whilst also reducing energy consumption due to lower airflow rates.

The solution also includes the most advanced mechanical KSA filters, removing 95 % of grease particulates sized 9 microns and above. Organic compounds are reduced by combining the best mechanical filtration available with the lowest possible operating air flow, thus giving the optimal residence time to the UV light and the longest working time to breakdown the grease molecules. Low pressure loss reduces energy consumption. The hoods also include a T.A.B. system for easy testing and balancing.

The most efficient Ultra-violet system is a combination of:

- **Halton Capture Jet**
- **KSA filters**
- **Halton Capture Ray UV- technology**
- **T.A.B testing and balancing system**

