WATER WASH CANOPY SPECIFICATIONS

Cold water connection	: ¾" outer-thread
Static pressure duct connection Water Wash canopy	: 250 Pa
Static pressure duct connection Water Was Misty canopy:	: 360 Pa
Water consumption Water Wash system	: 5,4 liter/min. p/meter (wall and island type)
Water consumption Misty system	: 2,9 liter/min. p/meter (wall type) : 5,8 liter/min. p/meter (island type)

Water discharge	: 2" outer-thread
Misty supply water temperature	: 6ºC
Water Wash supply water temperature	: 70ºC

Water pressure	: ± 2.0 bar
Water hardness	: 4dgh German hardness

V-CLIX LOW ENERGY LUMINAIRE

The Vianen V-CLIX luminaire is specially designed for use in the Vianen canopies and ceiling systems for the professional kitchen. The modern and sleek design of the V-CLIX
allows for easy maintenance.
The lighting level of 500 lux at working height is standard.

CONSTRUCTION

The Vianen V-CLIX luminaire is designed with an anodized aluminium frame to dissipate the heat.
The luminaire has an integrated, tempered and clear glass panel. A driver is mounted on top of the LED panel, which is connected to the 230V connection box.
On request Vianen can deliver alternative light fittings to suit customer requirements.
Inbuilt emergency lights can also be delivered upon request.

OPTIONS

The Vianen Water Wash canopies are available with several options to further increase their efficiency and improve the working environment within the kitchen space, i.e.:

Vianen UV-C Filtration System

Make-up/Supply air (MUAP)

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VIANEN
KITCHEN VENTILATION

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ADVANTAGES

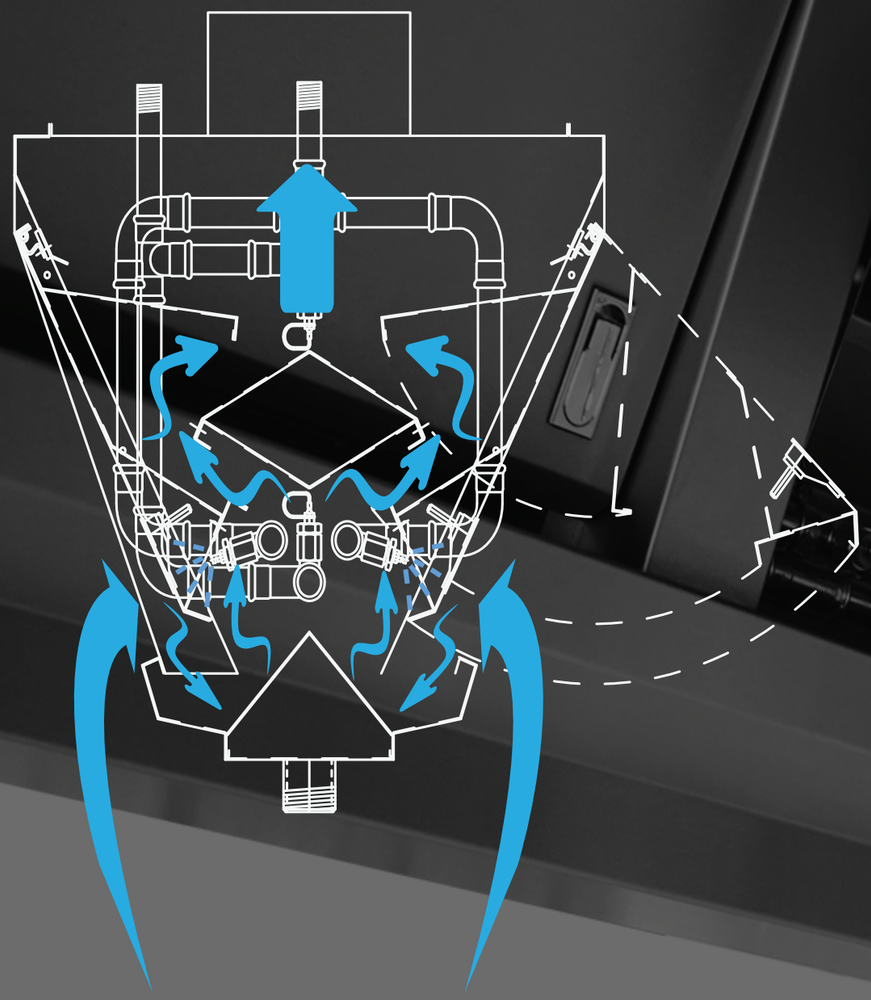
High grease removal rate ensures high level of hygiene
Reduces the risk of fire
Constant air pressure drop over the canopy
System efficiency does not depend on reliance of cleaning staff
Requires minimum maintenance
Comfortable working climate

WATER WASH CANOPY

WATER WASH SYSTEM

The water wash system is designed to remove grease and contaminants from the canopies interior keeping daily maintenance to a minimum.
In place of conventional filters the grease particles in the canopy are separated by a specially designed labyrinth.
The air moves through the canopy at a high speed and is forced to make a series of turns around the labyrinth throwing the grease out of the airstream by a centrifugal force. The extracted grease is collected in the trough. The wash cycle can be automatically or manually activated.
Hot water and detergent is sprayed into the canopy for a preprogramed time from a control cabinet which regulates the dosage of the detergent required to clean the system. A high standard of hygiene is maintained and the installation is better protected against the build-up of grease deposits which constitute a fire hazard. To further reduce fire hazards we recommend a fire protection system (optional) to be integrated into the system.

For areas where stringent environmental regulations are in force, the water wash systems are an excellent choice, combined with our grease shield.



CONSTRUCTION

The Vianen water wash baffles are fully welded 1.0 – 1.2mm thick type 304 stainless steel assemblies. Grease collection channels run the full length of the canopy.
Full length hinged access panels mounted with gas filled dampers and locked with captive quick release fastenings allows for easy access to the plenum interior, the water pipework and spray nozzles for inspection purposes.
The control panel is fabricated in type 304 stainless steel and measures 800 x 800 x 250mm and is secured by a lock. A tank containing detergent is housed within the panel which also features a digital display to monitor the system.
A main hot water feed is required (to be provided by others) to a ¾" water connection.
The recommended minimum water supply temperature is 70° and maximum of 4°dH water hardness.
Water usage for wall and island canopies is approximately 1.75 L/min/m.

Optional – V-DPS Drainage Pump System

The drainage pump system extends the canopy length by 300mm when a direct sewer connection is not possible.
The water is pumped to a sewer connection located up to 5 meters from the canopy.

Optional - Water Misty System

The Vianen Water Misty system reduces the risk of fire caused by sparks during the cooking process, especially from charcoal grills.
The Vianen Water Misty system can be applied to the Water Wash system.
A separate piping system for the required cold water is integrated into the canopy. The nozzles of the Water Misty system release a continuous fine mist spray of water during the cooking process.
This highly efficient method of filtration also changes the grease from its gaseous state to condensed grease particles in the cold water mist.

The contaminated water containing the effluent is collected in the same dedicated channels and runs off to the drainage system.
The Vianen Water Misty system operates on a constant cold water feed to generate the water mist.
To safeguard the operation of the system the first 3 – 4 m of the extract ductwork is watertight and a moisture eliminator is mounted on top of the canopy.

The controls of the Water Misty system is integrated into the canopies. The Water Misty system can be also equipped with a Water Recycling system reducing the water usage of the system.
For more information on the V-DPS or Water Misty system please refer to the specific brochures.

Optioneel AIR SUPPLY

To compensate for some of the loss of the air extrated from the kitchen the system is designed to supply make-up air.
This can be done by using our Jet Stream principle which passes over a difuser plate and is delivered through a series of slots arranged along the internal front edge of the canopy and represents a maximum of 15% of the total extract airflow. This contains the thermal plume generated by the cooking process. A further 75% of the supply airflow is discharged through the vertical perforated front face of the canopy ensuring an even distribution of supply air over the full length of the canopy at low velocity with minimal draught.