

## 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.

## FECON® GREASE EXTRACTION FILTER

The FECON® filters are specially designed for Vianen canopies to remove grease particles from the extract air. The interlocking semi-circular blades of the filter create multiple centrifugal forces as the air passes through the filter which ensure efficiency rates of up to 95% can be achieved.

- Excellent levels of hygiene – NSF approved
- Long life solid and durable construction – stainless steel
- High efficiency rates of 95% by 8 micron
- Placed at an angle of approximately 45° in the hood
- Flame retardant according to DIN 4102 fire safety standards
- Flame retardant in case of flash fires
- Easy maintenance in any commercial dishwasher



Vianen FECON® filters are constructed from stainless steel type 304 (DIN 1.4031 grit 320) 1.20 mm thick. The 36 mm thick filter is constructed without rivets and is provided with two integrated handles formed from the surrounding frame. On the top and bottom the filter 10% is open for the out stream of grease and moisture.

## CERTIFICATES

**NSF** – tested and approved for their high standard of hygiene

**UL** – tested and approved

**FECON** - Tested and approved as flame retardant by an independent institute .

### Disclaimer

Vianen has compiled this brochure for informational purposes only. The actual product may differ from the specifications in this brochure.

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## ADVANTAGES

- . Provides a balanced climate
- . Reduces spillage of exhaust fumes into the kitchen area
- . Provides high standards of hygiene
- . Welded stainless steel construction
- . Incorporates adjustable personal spot coolers
- . Energy saving LED Lights

We reserve the right to change specifications in this brochure without prior notice.  
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# JET STREAM 90 CANOPY



## DESCRIPTION

Suitable for all types of cooking equipment whether wall mounted or in an island arrangement. The canopy features a double skin design which allows air to be delivered through slots arranged along the inner front face and if required inner sides of the canopy to effectively and efficiently contain the thermal plume and direct it towards the grease filters. Supply air is also discharged through the perforated front face of the canopy to ensure the ventilation system of the kitchen is correctly balanced.

## CONSTRUCTION

The canopy is fabricated in AISI 304 standard, or AISI 316L stainless steel. All visible surfaces are ultra-fine grain polished (320 grit) and polythene protected. The canopy is cut, punched and folded into seamless section up to 6m in length and factory assembled by means of computer controlled seam welds and non-visible mechanical fixings. Joints are provided with internal cover-plates so that no joints or mechanical fixings are visible. All metal edges are rolled smooth and are free from sharp edges and projections.

The canopy lower edge is formed into a condensation channel with inclined internal elevation to simplify cleaning and the inner edges are crush folded for safety purposes.

The canopy is equipped with Vianen FECON grease extraction baffle filters. The filters are designed to allow the grease to run off the filters into an integral grease collecting channel and then into easily removable grease trays.

The canopy has a constant exhaust pressure drop of 100 Pa and a Jet Stream supply air pressure drop of 40 Pa.

## SUPPLY AIR

### JET STREAM AIR TECHNOLOGY

Jet Stream air is drawn by fan from the ceiling void or ducted to factory fitted spigots on the canopy roof. The air passes into the insulated supply air plenum and passes out through a series of slots into the main canopy envelope. The air is delivered from these slots at a maximum velocity of m3/h per linear meter, which represents less than 15% of the total extract airflow rate.

This ensures a positive capture and containment of the thermal plume generated by the cooking process.

A proportion of the supply airflow is also discharged through the vertical perforated front face of the canopy. This ensures an even distribution of supply air over the full length of the canopy at low velocity without any draughts. Air is also available to be discharged through the spot coolers located on the underside of the front lip of the canopy for personal comfort of the staff.

To suit various styles of cooking and canopy installation the Jet Stream canopy can be offered with slots just along the inner front face or extended down both sides of the canopy to enhance the capture and containment efficiency.

Optional: A single phase 230/240 V fan with filter may be mounted on the canopy roof to supply the required Jet Stream air.

## THE VIANEN JET STREAM-90 is available in the following configurations:

VIANEN JET STREAM 90-A	-/- max. 15% WALL	Width 1300mm Height 600mm
VIANEN JET STREAM 90-E	-/- max. 15% SINGLE ISLAND	Width 1300mm Height 600mm
VIANEN JET STREAM 90-D	-/- max. 15% DOUBLE ISLAND	Width 2600mm Height 600mm

Canopies in other dimensions are available to suit specific requirements.

## OPTIONS

The Jetstream-90 canopies are available with several options to further increase their efficiency and improve the working environment within the kitchen area.

- Water Wash (WW) and also Water Misty
- Vianen UV-C Filtration System
- Make-up / Supply Air - MUAP

## OPTIONAL - MUAP AIR

The MUAP plenum is fabricated from 1.0 – 1.2mm thick type 304 stainless steel. All visible surfaces are ultra-fine grain polished (320 grit) and polythene protected. The plenum is cut, punched, folded and assembled by means of computer controlled seam welds and non-mechanical fixings. Seamless sections can be manufactured up to 6m in length. The internal surfaces of the MUAP plenum are fully insulated. The front face of the MUAP plenum features removable perforated panels.

The pressure drop over a Vianen MUAP plenum is 40 Pa.

## INSTALLATION

Hanging brackets are fitted on top of the corners of the canopy for easy installation.