

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 standard
- 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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VIANEN
KITCHEN VENTILATION


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ADVANTAGES

Provides a balanced climate
Reduces spillage of exhaust fumes into the kitchen
Canopies are custom designed and fabricated
Provides a high standard of hygiene
Welded stainless steel construction
Incorporates adjustable spot coolers for comfort
Energy saving LED lights

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

JET STREAM CANOPY

Proper ventilation of the workplace removes unpleasant smells, excessive heat, smoke, fumes, moisture, and dust build-up preventing stagnation of the air.

Vianen Jet Stream canopies provide an efficient solution for the adequate ventilation for your kitchen. The Jet Stream 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.

APPLICATION

Suitable for all types of cooking equipment whether wall mounted or in an island arrangement. The canopy easily interfaces with the kitchen ceiling.

DESIGN AND CONSTRUCTION

Vianen designs and produces custom canopies according to the specific requirements of the client.

The canopies are fabricated from type 304 stainless steel 1.0 – 1.2mm thick. All visible surfaces are ultra- fine grain polished (320 grit) and polythene protected. The canopies are cut, punched and folded and factory assembled by seam welds and non-visible mechanical fixings. Canopies can be produced in seamless sections up to 6 meters in length. 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 canopies are equipped with Vianen FECON® grease extraction filters. The filters are designed to allow the grease to run off the filters into an integral grease collecting channel and then into a grease drain. The canopies have a constant exhaust pressure drop of 100 Pa and a pressure drop of 90Pa supply.

All Vianen canopies are available with several options to further increase their efficiency and improve the air-quality.

- UV-C filtration system
- MUAP – Make-up Supply Air
- Automatic Water Wash (with optional Misty system)
- Fire Suppression System
- Vetec – Demand Control Ventilation System
- Maestro – Kitchen Management System
- Victoria – Intelligent Monitoring System

SUPPLY AIR

Jet Stream air is taken from the ceiling void or ducted from the main galley or dining room area to factory fitted duct spigots on the canopy roof, the air passes into the insulated supply air plenum and out through a series of slots into the main canopy envelope.

The air is delivered from these slots at a maximum velocity of 8m³/s and at a rate of 40m³/h per linear meter, which represents less than 15% of the total airflow rate. This ensures a positive capture and containment of the thermal plume generated by the cooking process.

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 cooking 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 IS AVAILABLE IN THE FOLLOWING CONFIGURATIONS:

V-JET STREAM A	Jet Stream supply	- MAX. 10%	WALL	Width 1300mm
V-JET STREAM E	Jet Stream supply	- MAX. 10%	SINGLE ISLAND	Width 1300mm
V-JET STREAM D	Jet Stream supply	- MAX. 10%	DOUBLE ISLAND	Width 2600mm

Deviations to these standards can be adapted to meet specific customer requirements.

INSTALLATION

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