

THE VIANERGY II-WW-MISTY IS AVAILABLE IN THE FOLLOWING CONFIGURATIONS:

SSS VIANERGY II A-WW-MISTY	-Max. JETSTREAM SUPPLY 10%	WALL MOUNTED
SSS VIANERGY II E-WW-MISTY	-Max. JETSTREAM SUPPLY 10%	SINGLE SIDED ISLAND
SSS VIANERGY II D-WW-MISTY	-Max. JETSTREAM SUPPLY 10%	DOUBLE SIDED ISLAND

STANDARD DIMENSIONS

WALL CANOPIES	Width 1350mm Height 700mm
SINGLE SIDED ISLAND	Width 1350mm Height 700mm
ISLAND CANOPIES	Width 2700mm Height 700mm

Optional:	A single phase 230/240 V fan with filter may be mounted on the roof to supply the required Jet Stream air
Optional:	Maestro - kitchen management system
Optional:	UV-C System

The system can also be equipped with the following options:

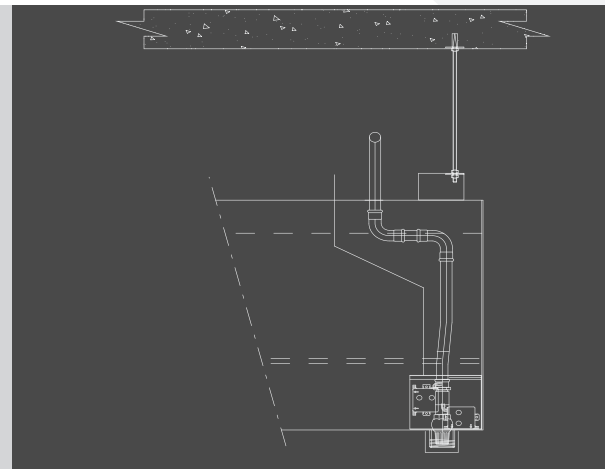
- Grease Shield Defender for automatic grease removal.
- Water Recycling System.
- Water Drainage Pump System.

DRAINAGE PUMP SYSTEM

The SSS-India solution for unseemly drainage pipes for Misty Systems.

General

The Drainage Pump system has been designed for projects that demand a high aesthetic level. The Drainage Pump system does away with the need for a drainage pipe to the floor. The pump is located in the drainage channel of the canopy and the effluent water is pumped to the drainage system in the false ceiling from the top of the canopy.



Installation

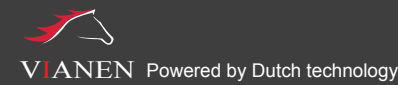
The Drainage Pump system is pre-installed in the canopy during production and is supplied standard with a stainless steel 304 connection pipe to the drain for easy installation at site. The maximum distance from the pump to the drain connection is 5m.

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VIANERGY II

WATER WASH MISTY- MUAP



28% Energy saving



ADVANTAGES

- ✓ Energy saving - reduction in air conditioning costs
- ✓ Energy saving LED lights, V-LEL
- ✓ Reduces spillage of exhaust fumes into the kitchen area
- ✓ Reduces draught in the kitchen
- ✓ Comfortable environmental conditions
- ✓ Reduces fire risks within the kitchen



The strategic choice
of professionals

DESCRIPTION

Suitable for all types of cooking equipment over wall and island arrangements.

On the three sides (wall type) and 4 sides (island type) air is discharged into the canopy via Jet Stream slots for a capture air stream effect. This system creates a complete envelope around the cooking apparatus reducing spillage of exhaust fumes.

A significant improvement of the capture and containment performance of the Vianergy II canopy is obtained due to the modification in the curved structure on the internal side of the front of the canopy. The curved structure ends with a specially designed (and patented) lip, angled upward to turn the deflected air back to the exhaust plenum.

On the bottom channel is a horizontal supply air slot, capture air principle, that blows air into the canopy with a velocity of 2m/sec. capturing the deflected airflow and lifts it back to the exhaust plenum. The Jet Stream supply has a maximum of 10% of the exhaust volume. This avoids spillage of fumes and contaminants back into the kitchen.

A significant energy saving is achieved due to this new, patented construction, tested by TNO, the Netherlands, conform ASTM F1704 method.

The VIANEN Water Misty system reduces the risk of fire caused by sparks and high temperature by extinguishing sparks and cooling the exhaust fumes during the cooking process, especially from charcoal grills.

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. Increasing the efficiency of filtration on the smallest particles.

The water residue containing grease and contaminants from the cooking process is collected within an internal channel 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 a moisture eliminator is mounted on top of the canopy, the first 3 – 4 m of the extract ductwork should be made watertight.

The controls of the Water Misty system is integrated on the canopy or integrated into the Water Wash control cabinet when combined with Water Wash.

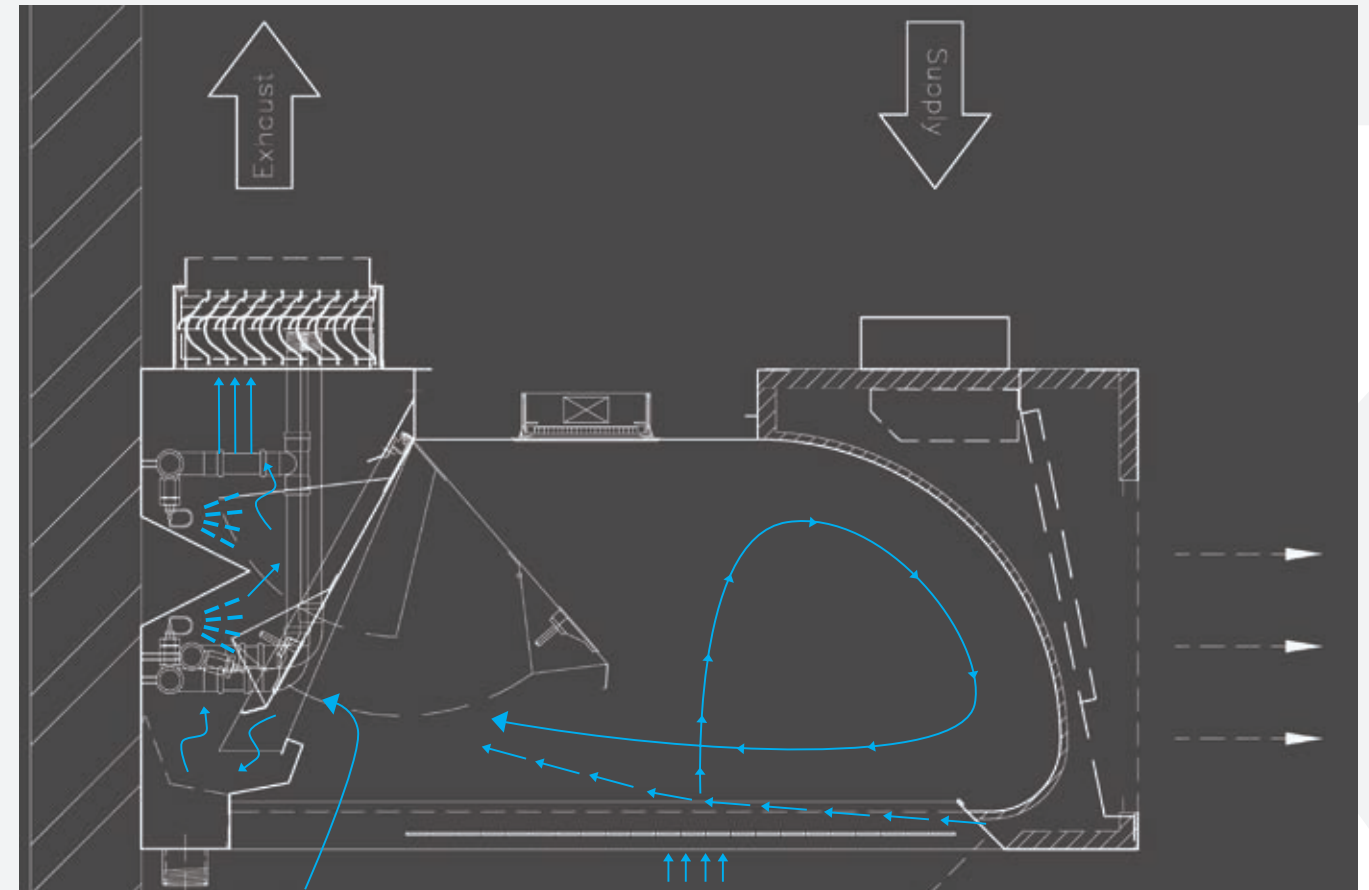
JET STREAM AIR

Jet Stream air is drawn by fan from the ceiling void or ducted from the buildings 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 2m/s and at a rate of 28m³/h per linear meter, which represents less than 10% of the total extract airflow rate. This ensures a positive capture and containment of the thermal plume generated by the cooking process.

MUAP AIR

The MUAP plenum is fabricated from 1.0 - 1.2mm thick 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 3m 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 MUAP plenum is 40 Pa.



CONSTRUCTION

The canopy is fabricated in stainless steel type 304 (DIN 1.4031) 1.0 -1.20 mm thick. 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 3m 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. Hanging brackets are fitted on top of the corners of the canopy for easy installation to the ceiling.

The canopy is equipped with integrated Misty extraction baffles. Internal collection channels run along the full length of the canopy. The exhaust plenum is accessible through hinged access panels mounted with gas filled dampers and locked with captive quick release fastenings. This to perform maintenance on the plenum interior, water pipework and spray nozzles. The canopy has a constant exhaust pressure drop of 360 Pa and a Jet Stream supply air pressure drop of 40 Pa.

V-LEL INTERGRATED LIGHT FITTINGS

The canopies are fitted with LEL low energy LED light fittings, which are specially designed for SSS-India Stainless steel canopies. The standard type is 220/230V - 50Hz.

Standard 2 sizes: 1250/650mm.

On request SSS-India can deliver alternative light fittings to suit customer requirements.

Inbuilt emergency lights can also be delivered upon request.