

MARINE



ADVANTAGES

- Provides a balanced climate in the galley
- Reduces spillage of exhaust fumes into the galley
- Hoods are custom designed and fabricated
- Provides a high standards of hygiene
- Welded stainless steel construction
- Incorporates adjustable spot coolers for comfort
- Energy saving LED lights
- FECON® grease filters – UL and NSF certified, TNO – tested and approved
flame retardant

GB JET STREAM HOOD



JET STREAM GALLEY HOOD

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 hoods provide an efficient solution for the adequate ventilation for your galley. 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 hood easily interfaces with the galley ceiling.

DESIGN AND CONSTRUCTION

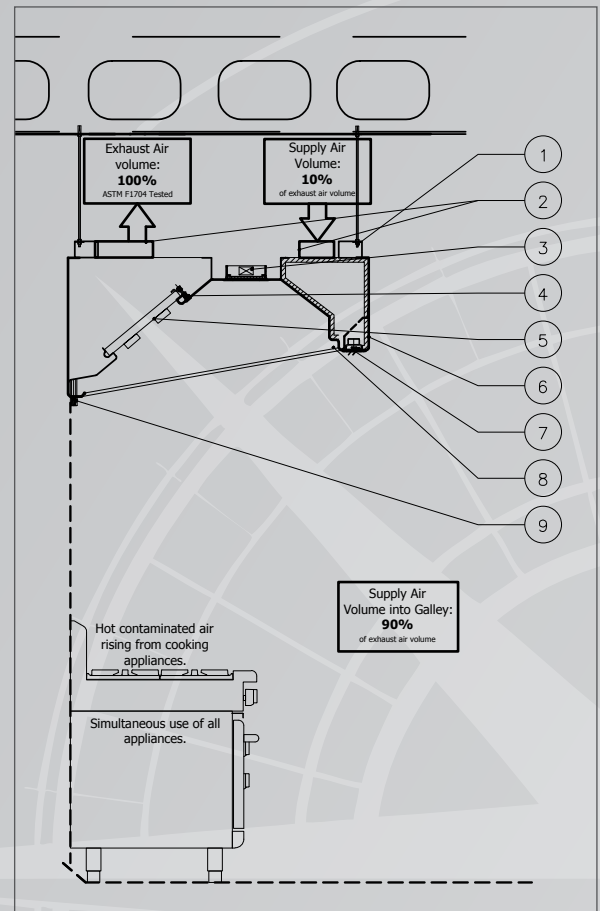
Vianen designs and produces custom hoods according to the specific requirements of the client and in accordance with the standards; USPHS, NORSOK, SOLAS, CE and ISO.

The hoods are fabricated from 1.0 – 1.2mm thick type AISI 304 or optional AISI 316L stainless steel.

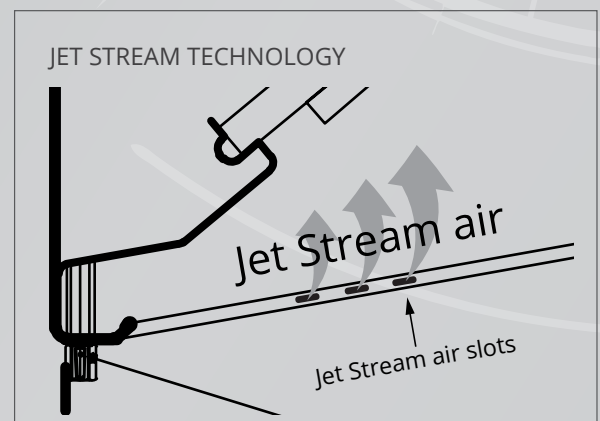
All visible surfaces are ultra-fine grain polished (320 grit) and polythene protected. The hoods are cut, punched and folded and factory assembled by seam welds and non-visible mechanical fixings. Hoods can be produced in seamless sections up to 6 meters in length. Joints are provided with internal cover-plates so that no joints or mechanical fixings are visible. All metal edges are rolled smooth and are free from sharp edges and projections.

The hood 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 hoods 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 hoods have a constant exhaust pressure drop of 100 Pa and a pressure drop of 90Pa supply.

AIR FLOW PATTERN JET STREAM WALL TYPE HOOD



- 1 Hanging bracket
- 2 Duct spigots- exhaust and supply
- 3 V-LEL integrated light fitting
- 4 Filter lock
- 5 FECON® filter
- 6 Insulation
- 7 Adjustable supply air nozzles
- 8 Jet Stream Technology
- 9 Grease Drain



All Vianen hoods 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 – Galley 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 hood roof, the air passes into the insulated supply air plenum and out through a series of slots into the main hood envelope. The air is delivered from these slots at a maximum velocity of 8m/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 hood for personal comfort of the cooking staff. To suit various styles of cooking and hood installation the Jet Stream hood can be offered with slots just along the inner front face or extended down both sides of the hood to enhance the capture and containment efficiency.

OPTIONAL : A single phase 230/240 V fan with filter may be mounted on the hood 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 hood for easy installation.

V-LEL INTEGRATED LIGHT FITTINGS IP65

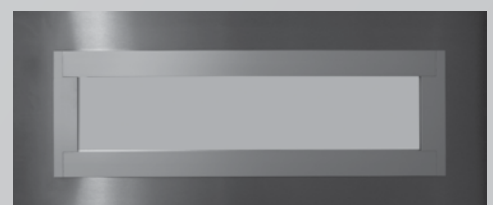
The hoods are fitted with V-LEL, which are specially designed for VIANEN hoods.

The standard type is 220/230V – 50Hz.

Standard sizes : 1229 mm - 40 W

: 629 mm - 20 W

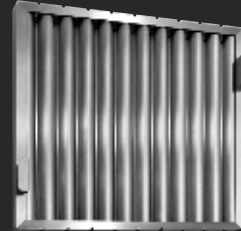
On request Vianen can deliver alternative light fittings to suit customer requirements. Inbuilt emergency lights can also be delivered upon request.



FECON® GREASE EXTRACTION FILTER

The FECON® filters are specially designed for Vianen hoods 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 98% are achieved.

- Excellent levels of hygiene – NSF approved
- Long life solid and durable construction – stainless steel
- High efficiency rates of 98% by 8 micron
- Placed at an angle of approximately 45° in the hood
- Locked in to for the most demanding environments
- 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.

JET STREAM - GALLEY SPECIFICATIONS

Standard	Optional
Material: AISI 304; Thickness 1.0 - 1.2mm	Material: AISI 316L
FECON® grease extraction filters, UL, NSF	
Crush folded edges	
V-LEL Integrated IP65 LED Lights	V-ITL lights or LED spots
Manufactured according to: SOLAS, CE, ISO	USPHS, NORSOK
Mounting Brackets	
Duct spigots	Flanges up to: ISO 15138
	UV-C System
	VéTEC® - Demand Control Ventilation System
	Maestro - Galley Management System
	Victoria - Intelligent Monitoring System
	Powder coated in any RAL colour
	Fire suppression system

Vianen Marine B.V.
 Finse Golf 18, 3446 CK Woerden
 P.O Box 163, 3440 AD Woerden, Holland

info@vianenkvs.nl
 www.vianenkvs.com
 Tel.: (+31) 348 41 63 00

