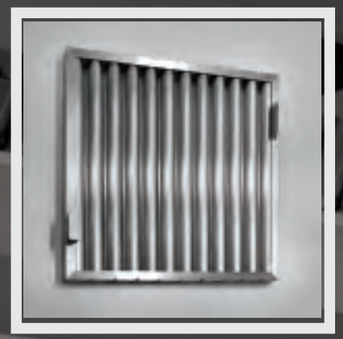
MUAP

FECON GREASE EXTRACTION FILTER

The Vianen FECON filter is designed to extract grease from cooking vapors in commercial kitchen ventilation systems. The semi-circular channel construction of the filter guarantees the highest attainable grade of grease extraction by creating a centrifugal force in the filter. The efficiency of the Fecon filter is 95 %. The grease collects in the lowest part of the filter preventing clogging and maintaining an even extraction over the entire length of the ventilation system. The filters are placed at an angle of approximately 45° in the canopy and are easily removable. The FECON filter is flame resistant and in case of flash fires the FECON filters prevent the flames from penetrating into the ductwork.

CONSTRUCTION

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.
The Fecon filters are resistant to aggressive detergents.



Advantages:

- High grease extraction rate
- Solid construction
- Entirely constructed of stainless steel
- Simple to remove without tooling
- Flame retardant according to DIN 4102 fire safety standard
- Easy maintenance in any commercial dish wash machine

Certificates:

NSF - tested and approved for their high standard of hygiene.
TNO-fire certificate (fire resistant according to DIN 4102)

V-ITL INTEGRATED LIGHT FITTINGS

The canopies are fitted with V-ITL recessed fluorescent light fittings which are specifically designed for the VIANEN stainless steel canopies. The light fittings comply with the requirements of IP54 and come complete with electrical terminal connection box.
The frame is a seamless stainless steel construction and the “CREPI” glass is both heat and shock resistant. The frame is locked into position with captive quick release stainless steel screws and supported by two safety chains

TYPE	EXECUTION	TYPE	EXECUTION
V-ITL 118	1 x 18 W	V-ITL 218	2 x 18 W
V-ITL 136	1 x 36 W	V-ITL 236	2 x 36 W
V-ITL 158	1 x 58 W	V-ITL 258	2 x 58 W

- Standard electrical supply is 220/240V 50Hz
- Vianen can offer lights to suit other electrical supply requirements
- In-built emergency lights can also be incorporated in our designs upon request

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ADVANTAGES

- Fresh air supply integrated in the canopy
- Reduces the requirement for air to be introduced into the kitchen via other grilles or diffusers

MUAP CANOPY

DESCRIPTION

The system allows the kitchen ventilation to be balanced by introducing tempered make-up / supply air through the perforated front face of the canopy. The MUAP plenum forms an integral part of the canopy and is positioned along the front of the canopy. The Vianen MUAP system can be used in combination with any wall or island mounted canopy.

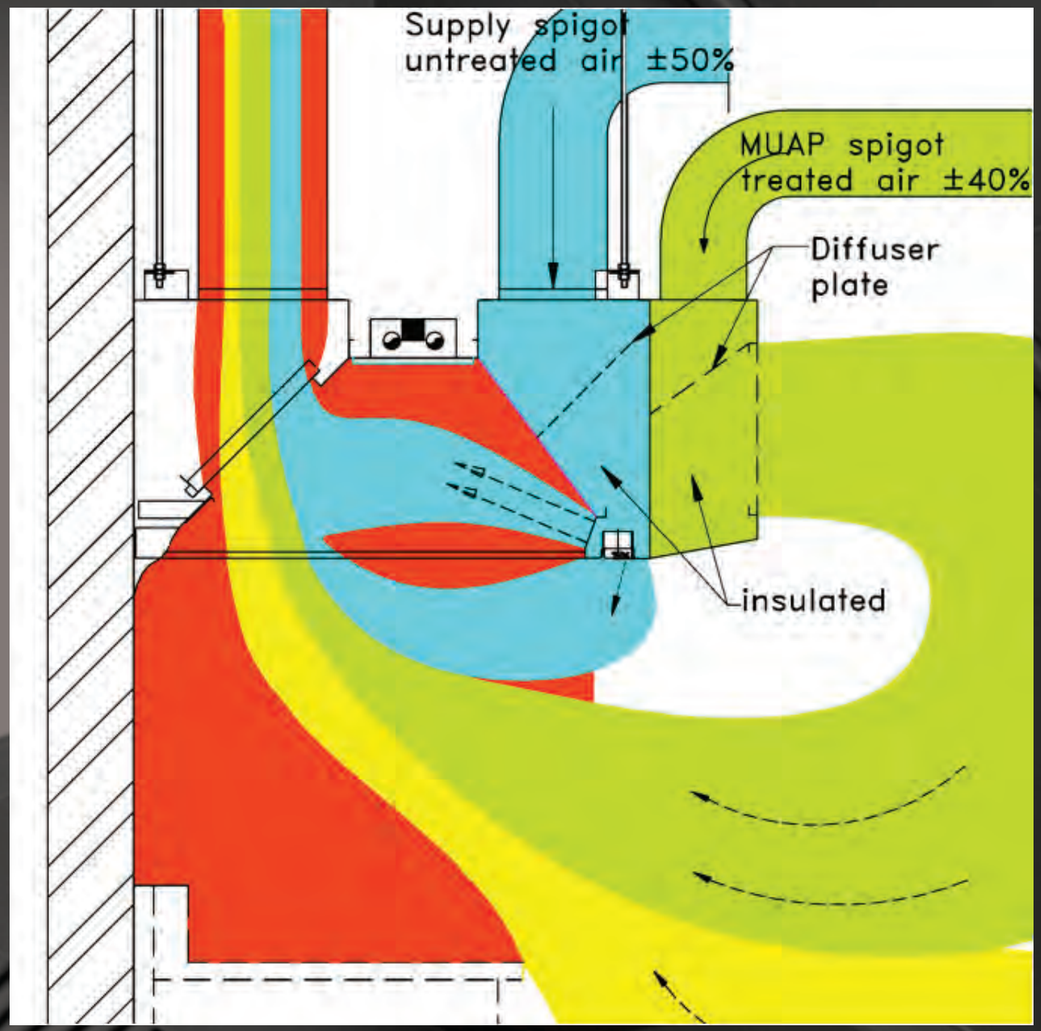
Treated air is supplied into the internally insulated MUAP plenum via factory fitted spigots on the roof of the canopy. The air passes over a perforated internal equalising diffuser and is delivered into the kitchen through the vertical perforated front face(s) of the canopy. The system ensures an even distribution of supply air over the full length of the canopy at low velocity without any draughts. The MUAP system is also easily incorporated into Water Wash and UV-C canopies.

CONSTRUCTION

The MUAP plenum is fabricated from 1.0 – 1.2 mm thick type 304 stainless steel. All visible surfaces are ultra fine grain polished (320 grit) and polythene protected. The plenum is cut, punched and folded and then 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 MUAP plenum has a nominal width of 200 mm Therefore single island or wall mounted canopies will be 200 mm deeper front to back and double island canopies 400 mm deeper.

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

INSTALLATION

The MUAP plenum is factory assembled along with the main canopy body to form a single piece construction. The supply air spigots on top of the MUAP plenum should be connected to the tempered kitchen supply air system.