

# Grease Filter

## Grease Filter

McLeod Russel



## Disposable and Washable Grease Filters

### Introduction

Grease Filters are an essential part of the ventilation system of modern kitchens, where open ranges grills and griddles are in use.

Their role is twofold; to maintain proper hygiene standards and working conditions, and to safeguard against fire. Designed to prevent inflammable oils and grease from reaching exhaust ducts, Grease Filters help to avoid sudden dangerous flare-ups in ducting and reduces the cleaning of ducting and ventilation fans to a minimum.

The need to protect against this risk is critical, since burning fat and grease flare-ups in cooking appliances and associated ductwork/canopies cause or contribute to 70% of all restaurant fires.

Manufactured from stainless steel, Grease Filters housings are available as single sided units for use in wall mounted canopies, and as double sided Vee-bank units for use in island canopy applications.

To suit different conditions in terms of the grease content of exhaust air, both washable and disposable grease filters are available.

### Description

#### Grease Filter Housings

Grease Filter Housings manufactured from stainless steel are available as two types:

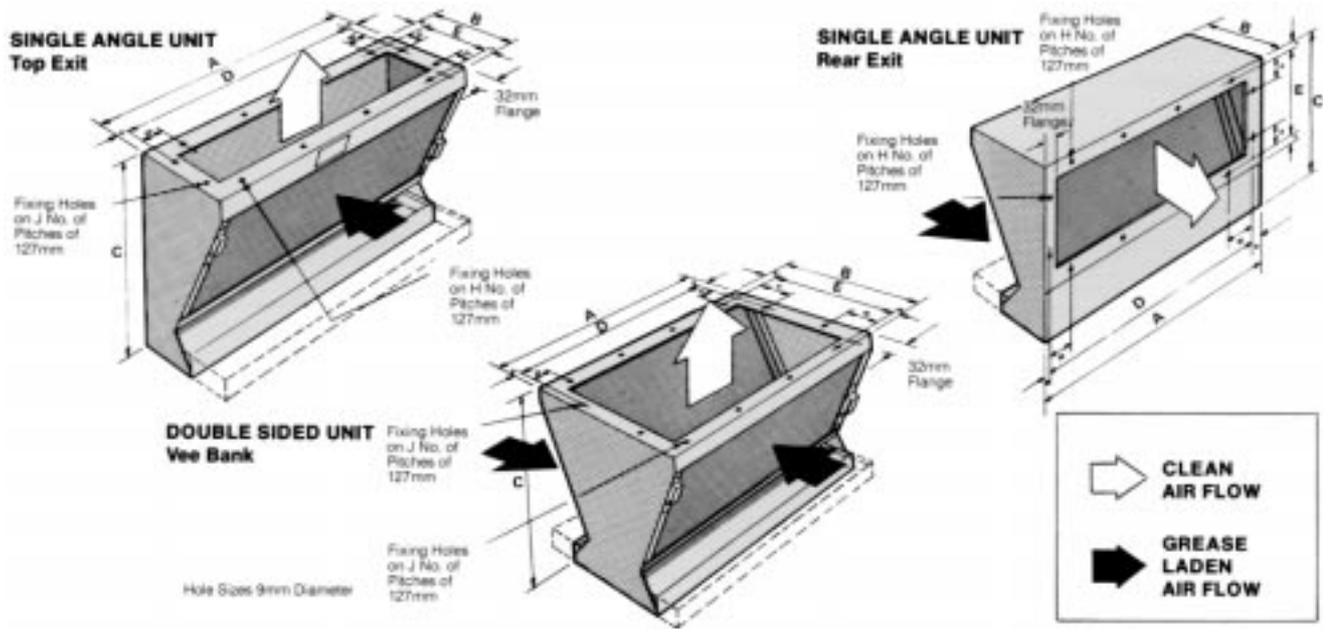
**SINGLE ANGLE UNITS** – Designed to be installed in canopies fitted against a wall, they have a panel on one side only, with either a top exit or rear exit to the extraction ducting.

**VEE-BANK UNITS** – Are normally fitted inside larger canopies covering wider working surfaces such as a big kitchen range against a wall, or an island range open on all sides. Panels are fitted on both sides of the unit, with an exit through the top extraction ducting.

Both types are available in three lengths and can be fitted with up to three or six filters respectively. Housings are supplied pre-drilled to a standard pattern to aid installation on site, and can be bolted together to give the required size of installation. To avoid contamination and flare-ups, a deep removable drip tray beneath each unit prevents collected grease from dripping or running back onto the heat source or into the cooking.



## Dimensions



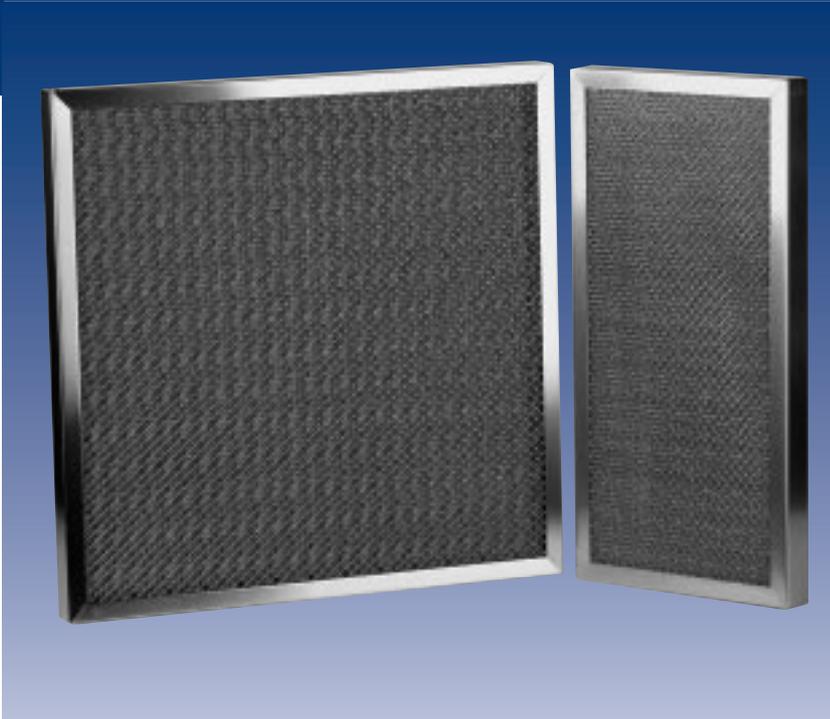
Range											
Filter Housing	Total Number of panels	Exhaust Aperture Size (mm)	A	B	C	D	E	H	J	Rated Capacity m <sup>3</sup> /h	Weight (kg)
<b>SINGLE ANGLE Top Exit</b>											
TE 10/1	1 Long	436 x 152	500	216	359	462	178	3	1	1020	4.5
TE 10/2	2 Long	936 x 152	1000	216	359	962	178	7	1	2040	9.5
TE 10/3	3 Long	1436 x 152	1500	216	359	1462	178	11	1	3060	12.2
TE 20/1	1 Long	436 x 279	500	343	565	462	305	3	2	2040	5.9
TE 20/2	2 Long	936 x 279	1000	343	565	962	305	7	2	4080	16.3
TE 20/3	3 Long	1436 x 279	1500	343	565	1462	305	11	2	6120	17.7
<b>SINGLE ANGLE Rear Exit</b>											
RE 10/1	1 Long	436 x 190	500	216	359	462	21	3	1	1020	4.5
RE 10/2	2 Long	936 x 190	1000	216	359	962	216	7	1	2040	9.5
RE 10/3	3 Long	1436 x 190	1500	216	359	1462	216	11	1	306	12.2
RE 20/1	1 Long	436 x 396	500	343	565	462	421	3	2	2040	5.8
RE 20/2	2 Long	936 x 396	1000	343	565	962	421	7	2	4080	11.8
RE 20/3	3 Long	1436 x 396	1500	343	565	1462	421	11	2	6120	17.7
<b>DOUBLE SIDED Vee Bank</b>											
DS 10/2	2 Wide x 1 Long	436 x 368	500	432	359	462	394	3	2	2040	5.4
DS 10/4	2 Wide x 2 Long	936 x 368	1000	432	359	962	394	7	2	4080	12.7
DS 10/6	2 Wide x 3 Long	1436 x 368	1500	432	359	1462	394	11	2	6120	19.1
DS 20/2	2 Wide x 1 Long	436 x 622	500	686	565	462	648	3	4	4080	8.6
DS 20/4	2 Wide x 2 Long	936 x 622	1000	686	565	962	648	7	4	8160	20.9
DS 20/6	2 Wide x 3 Long	1436 x 622	1500	686	565	1462	648	11	4	12240	34.5

# Interclean & Vokes Vofil

P r o d u c t s

## Interclean & Vokes Vofil

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## Disposable and Washable Grease Filters

### Applications - Interclean - ALI

Permanent and cleanable filter used as a pre-filter in installations where high humidity/moisture or corrosive conditions may affect the performance. Applied in general heating and ventilating systems where above average air velocities are prevalent, to control larger particle contamination. Designed also as a grease eliminator, it is applied to kitchen hoods and canopies to protect ducting from the throughput of grease and oil mist which, if uncontrolled, becomes a dangerous health and fire hazard.

This expanded mesh media filter is ideal as a pre-filter of large particle contamination, will withstand surge, and is widely used in high air volume installations.

### Specification

Multiple Layers of Lightweight expanded aluminium mesh are contained in an aluminium channel casing with support grids on both faces.

### Applications - Interclean - Galv

Used as a grease eliminator, the Interclean-Galv is cleanable and used throughout cafeteria and commercial kitchens for control of grease and oil mist build-up which would otherwise create a health and fire hazard within ducting.

### Specification

Galvanised expanded mesh media is contained in an aluminium channel casing with support grids on both faces.

### Features & Benefits

- Our grease filter panels combine low pressure loss with high grease arrestment
- Comes standard with protective film on the frame and the filtration pad is expanded metal layers which do not disintegrate with washing.
- Multi-layer construction adds to the rigidity of the panel and there is no chance of particles breaking the mesh as found in knitted wire type filters, which can be hazardous.
- Stock sizes available, custom sizes to order
- Handles and drain holes available.



### Vokes Vofil Grease Filter Pads

DISPOSABLE GREASE FILTERS - Ideal for applications where the exhaust air has a particular high grease content, such as in the grilling of steaks and chops. Manufactured from Vofil filter media inserted into a reloadable metal frame, disposable grease filters provide users with the following benefits:

### Features & Benefits

HIGH COLLECTION EFFICIENCY - By presenting a much larger surface area to the airstream, Vofil media assists faster condensation of the grease and faster cooling of the medium. The medium 'absorbs' the grease into its mass, preventing it re-entering the airstream.

NO PANEL CLEANING REQUIRED - Dirty pads are simply removed from the frame and replaced by new, avoiding the unpleasant and time consuming task of cleaning metal filters.

DUCT CLEANING REQUIRED - The high efficiency and grease holding capacity of Vofil pads, greatly reduces the need for duct cleaning

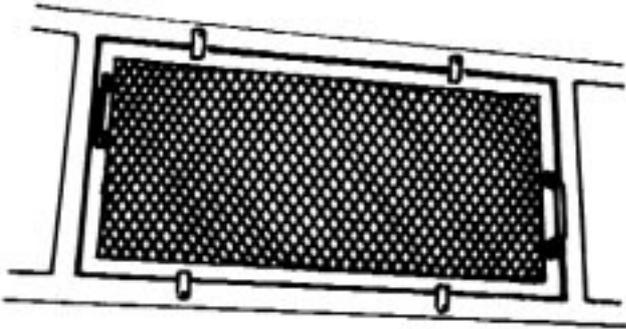
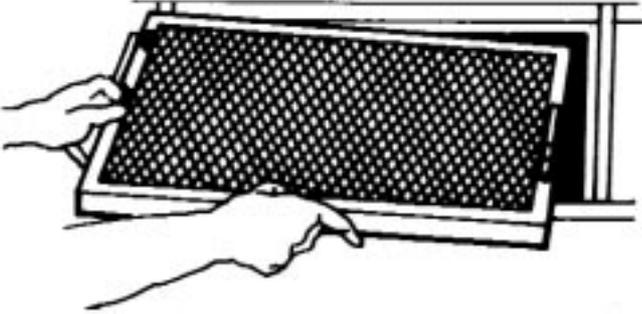
LOW COST - Vofil replacement pads are inexpensive. Should metal filters be neglected they quickly acquire an irremovable layer of baked-on grease, resulting in frequent and more costly replacement.

IMPROVED WORKING ENVIRONMENT - Staff efficiency is increased due to improved working conditions and reduced cleaning

FLEXIBILITY - Pads and frames are available to fit most other makes of grease eliminator, which are simple and inexpensive to convert.

### Specification

See Media table page 8.  
GFP Dry 25mm & 50mm Blue/White.



Filter Engineering

Periframes

Rolls & Pads

Panel Filters

Bag Filters

Compact Filters

HEPA & ULPA Filters

Grease Filters

Carbon Filters

Filter Frames

Terminal Housings

Other Products