

# VERITECH FILTRATION

A Breath of Fresh Air...

## *FC filter*



The Veritech FC filter range are the most efficient primary grease filters available on the Global market today. FC stands for front cup and it is in the front cup that the grease is caught. The FC filters are greater than 94% efficient and when compared to a standard baffle filter at 35% efficiency, the difference is staggering.

The FC filters are ideal for new canopies and also for retrofits into modern canopies. More grease captured is not only less grease in the duct work but also more grease to recycle!



## *Micron F1*



The Micron F1 filter range are a new offering from Veritech and they are the most efficient panel filter available—greater than 88% grease capture efficiency.

The Micron F1 filters are perfect for most retrofit installations with no need for any face plates and with a low back pressure of 150 pascals. Simply take out the old inefficient baffle filters and replace them with Micron F1's.

**REduce** GREASE

**REuse** GREASE

**REcycle** GREASE

# A Breath of Fresh Air...



Fraunhofer Institut Silicatforschung

TESTED BY THE WORLD'S LEADING GOVERNING BODIES



Helpful  
Tips

Your first line of defence in your kitchen extraction canopy are your grease filters. Ensure that they are as efficient as they possibly can be.

Used cooking oil now has a good value and as up to 40% of the oil you have in your fryers is vented out through your canopy, it makes good sense to capture as much of that as you can to recycle.

Before making the decision to spend lots of money on secondary filtration: 1) You can solve most of your filtration problems by installing highly efficient primary filters. 2) be aware that most secondary filtration technologies lose efficiency at high temperatures. 3) A good extraction system starts with high efficiency primary filters, it will dramatically reduce your maintenance costs and fire risks.

Your first line of defence in kitchen fires are your grease filters. If the grease filters you have installed act as a great fire barrier, then the fire will not be able to reach your duct work and the rest of your building. Having great fire barriers installed could save you money on your buildings insurance especially if those fire barriers are also extremely efficient and minimise the amount of grease in the ductwork.

Minimising the amount of grease that gets to your ductwork is also minimising the amount of times you have to get your ductwork cleaned. Highly efficient primary grease filters pay for themselves very quickly with this alone.

Industry standards for kitchen ventilation are ever increasing. Meet those standards in the most cost effective way by installing highly efficient primary grease filters



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...IT JUST MAKES SENSE

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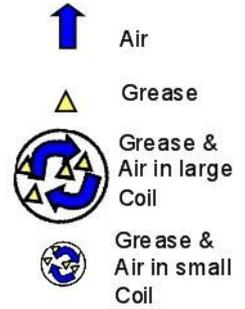
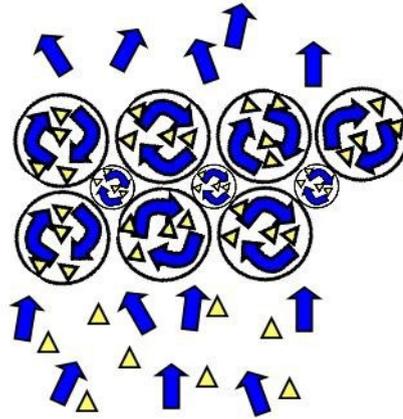


## How does it work?

The patented Veritech filter Matrix was designed to apply the four main principles of filtration, namely:

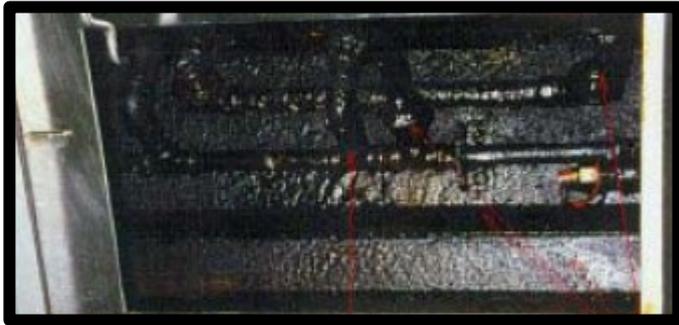
- 1) Condensation
- 2) Inertial separation
- 3) Impingement
- 4) Settling

See opposite diagram.



- \* Air and Grease go into the Veritech filter
- \* Air and Grease circulate around the coils within the filter
- \* 94.9% of Grease is trapped and collected in the drip tray
- \* Cleansed air comes out of the back of the Veritech Filter

## How efficient is it?

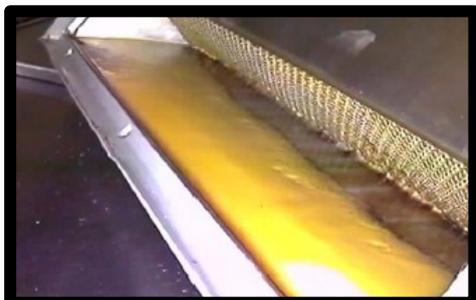
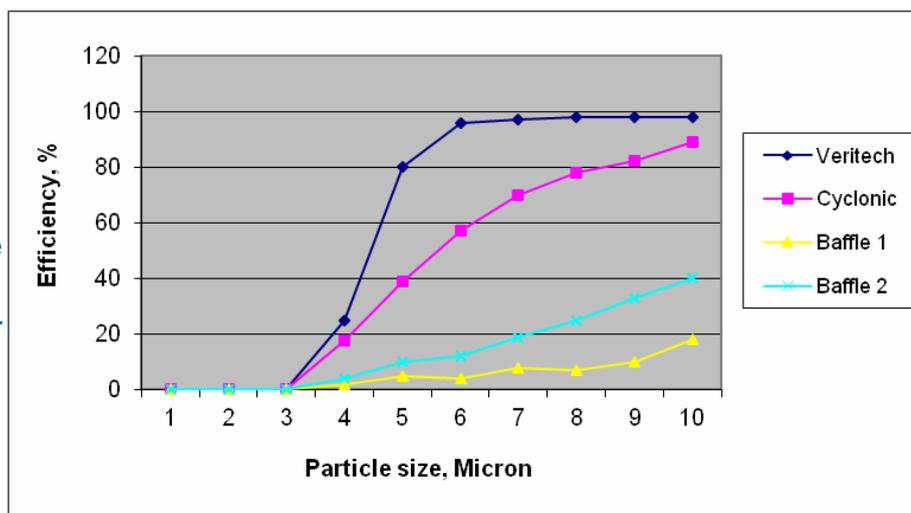


Grease in Canopy behind standard baffle filters after 3 months cooking



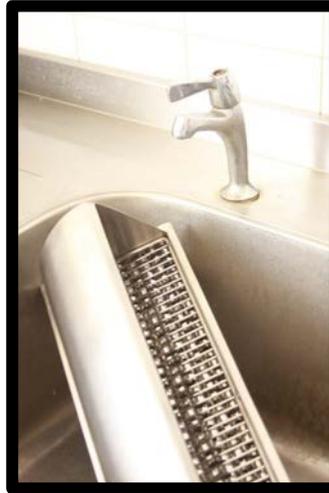
Grease in Canopy behind Veritech filters after 3 months cooking

The diagram opposite shows the Veritech Filter efficiency as function of particle size at 224 L/(s.m) Source: Article ASHRAE Journal.



Grease caught in Veritech grease filter after 24 hours of frying in a high volume fast food outlet

# A Breath of Fresh Air...



Easy to wash or put through the Dishwasher



Very easy and safe for all the staff to handle and keep clean



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