

# Katercarb 2002

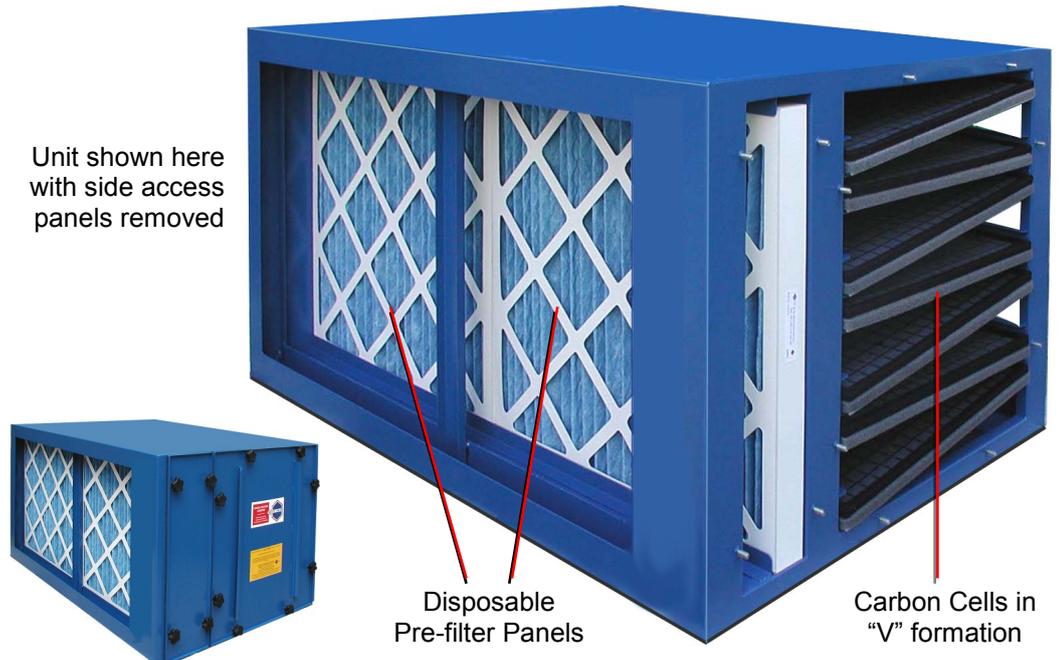
Activated Carbon Filter Units for the removal of cooking, catering and food processing odours.



Katercarb 2002 has been designed and developed specifically for installation with TRION Electronic Air Purifiers to overcome the possible problem of odours remaining in the extracted air after grease/particle removal. Each unit is rated at 3400 m<sup>3</sup>/hr. For ease of installation the unit has the same face area dimensions as the TRION T2002 and for larger airflows, can also be stacked up to match the TRION range.

## Applications inc:

- Restaurants
- Public Houses
- Fast Food Outlets
- Take Aways
- Hotels
- Canteens
- Kitchens
- Cafés
- Food Processing



Considerable attention and emphasis has been focused on the catering industry in recent years to ensure that kitchen extract air is clean and odour free. Effective filtration of grease and particles from the extracted air will not always solve the problem of the nuisance odours generated by cooking and catering. These odours can be controlled by installing a Katercarb 2002 filter unit in the extract system after grease/particles have been removed by the TRION unit.

## The unit comprises:

- Powder Coated steel casework with side access panels. The unit is designed to be turned upside down to achieve right or left hand side filter access.
- 14 Carbon Filter Cells with a special grade of activated carbon to deal effectively with food and catering odours.
- 2 Disposable particle pre-filters giving extra protection to the carbon cells from any particle contamination.

**Katercarb 2002 Filter Units are available with a choice of carbon cell depth:**

**Light Duty: 25mm deep carbon cells**

**Standard Duty: 32mm deep carbon cells**

**Heavy Duty: 35 mm deep carbon cells**

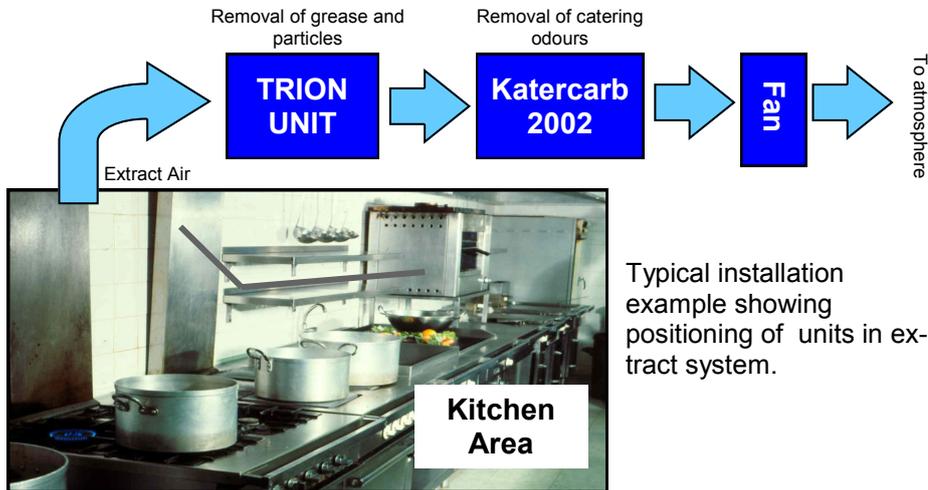
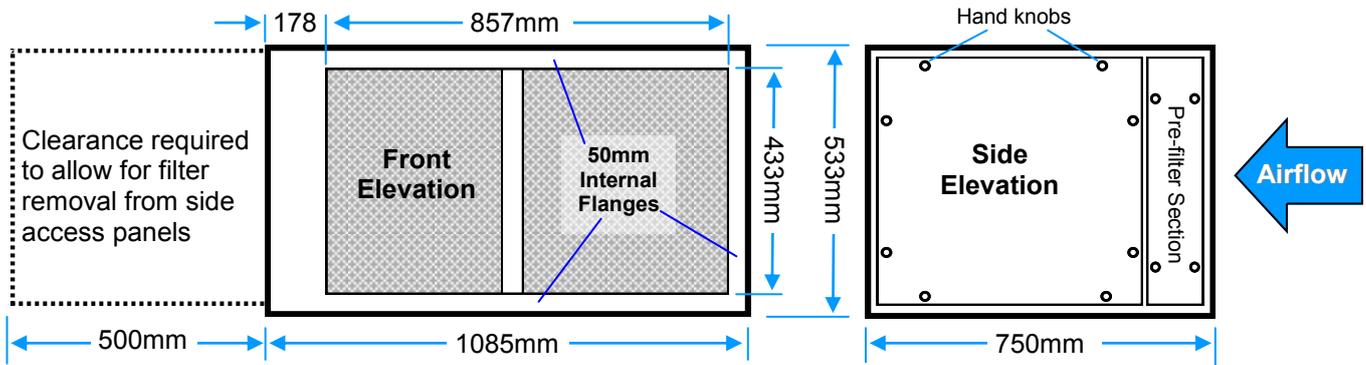
The unique, patented Emcel carbon filter cell construction enables a high weight of activated carbon to be employed giving high performance, longer dwell times and therefore greater efficiency.

It is important to note that the Katercarb 2002 is not supplied with a grease filter as standard. The unit must not be installed without being protected from grease/particle contamination by the TRION unit.

Regular maintenance of the complete extract system and changing of pre-filters will be required to optimise carbon performance / service life.

# Katercarb 2002 Carbon Filter Units.

# Dimensions and Installation Details



Typical installation example showing positioning of units in extract system.

## Installation

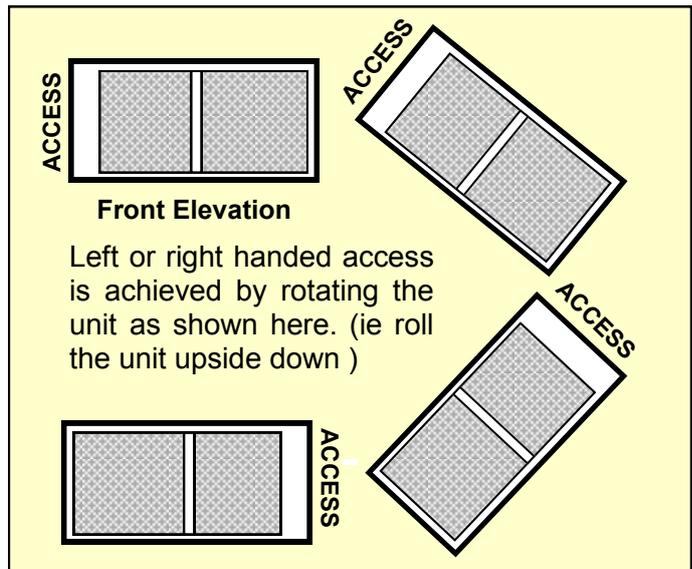
The Katercarb 2002 unit must be installed in the extract system after the TRION Electrostatic Filter.

It is recommended that the Katercarb 2002 filter is placed not less than 4 metres from the cooking source, to satisfy the maximum operating performance conditions for the filter of 50°C and 85% R.H.

## Maintenance

It is critical to the performance of the Katercarb 2002 unit that all grease/particle filters and pre-filters are regularly cleaned and maintained. The activated carbon cells will need replacing from time to time depending on the contaminant demands made upon them.

The free EMCEL Carbon Life Prediction Service is available to assist in identifying the optimum filter cell replacement point to ensure maximum filtration efficiency coupled with cost-effective replacement. Please contact EMCEL for details of this service and for any replacement filter requirements.



|                        |                                  |
|------------------------|----------------------------------|
| Resistance to airflow: | 120 Pa approx (25mm cells) clean |
|                        | (3400 m <sup>3</sup> /hr)        |
| Unit Weight:           | 175 Pa approx (32mm cells) clean |
|                        | 200 Pa approx (35mm cells) clean |
|                        | 113kg (25mm cells)               |
|                        | 140kg (32mm cells)               |

**Light, Standard and Heavy Duty replacement carbon cells and pre-filters for Katercarb 2002 units are readily available from EMCEL.**

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