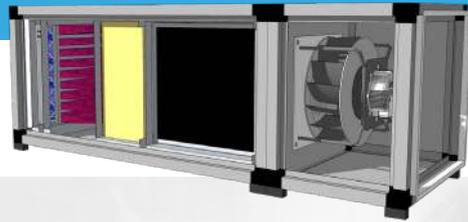
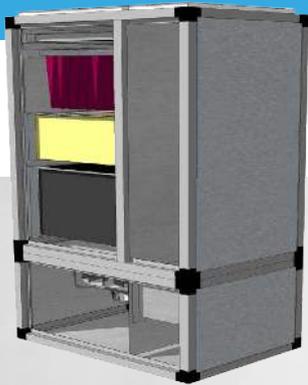


# RECIRC Filtration Tower

## Commercial Kitchen Recirculation System

**plasma-cleanair**  
AIR, ODOUR & GREASE CONTROL



### Benefits

- Save money and complexity by reducing internal duct runs and eliminating external extraction
- Deliver ongoing savings by dramatically reducing TR19 Grease duct cleaning
- Enable commercial cooking where planning permission has been denied
- User friendly controls with ongoing maintenance indicator for ease of use

\* Plasma Clean Air is continuously improving its products and services and reserves the right to alter designs without prior notice

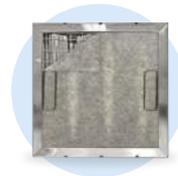
Three standard units are available capable of handling up to 1.0m<sup>3</sup>/s, 1.5m<sup>3</sup>/s and 2.0m<sup>3</sup>/s. For units capable of handling larger volume flow rates, please enquire.

The units which incorporate a fan and filter set can be floor mounted as a tower in vertical orientation or duct mounted horizontally.

RECIRC can only be used with electric cooking applications and it is recommended to install air conditioning to prevent build up of heat in the kitchen area.

There are up to 5 stages of filtration incorporated within the RECIRC Filtration Tower and canopy. These are:

- Ecofleece grease filters in canopy (optional)
- G4 pleated panel filter (EN779:2012 / Coarse >70% ISO16890)
- F7 bag filter (EN779:2012 / ePM1 >60% ISO16890)
- H11 HEPA Filter (≥95% for MPPS particles)
- Activated carbon filter



**Ecofleece**  
[Find out more](#)



**Panel Filters**  
[Find out more](#)



**Activated Carbon**  
[Find out more](#)

Consult with a Plasma Clean Air representative to find out the most suitable odour control solution for your application.

[plasma-cleanair.com](http://plasma-cleanair.com) | [ask@plasma-cleanair.com](mailto:ask@plasma-cleanair.com) | 0800 652 3325

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# RECIRC Filtration Tower

## Commercial Kitchen Recirculation System

### RECIRC Filtration System from Plasma Clean Air

The RECIRC Filtration System is ideal for shopping malls, pop-up kitchens, high-rise buildings & basements and all environments where external extraction is not possible. The unit incorporates a fan and complete set of filters to control the fume from commercial cooking applications. As with all filtration equipment it is important to follow the installation and maintenance guidelines to ensure the equipment operates efficiently.

#### Installation

It is important to achieve uniform distribution of air across the filter surface. Inlet and outlet tapers must be sized correctly. Plasma Clean Air can offer assistance with the installation design if required. Requires two people plus lifting gear to carry and install.

#### Control Options

- 0-10V Speed Controller & Isolator – Mounted to RECIRC housing or remote mounted
- Full control monitoring
- Controls Package inline with Westminster Council Specification

#### Maintenance

For the system to continue to operate efficiently the filters will need to be replaced when they have reached the end of their lifespan. The frequency of filter replacement is dependent on the type of cooking as well as the volume of cooking.

It is recommended to closely inspect the filters during the first 3 months of operation to establish a maintenance regime suited to the application.

A bespoke service package is available. Please enquire.

#### Construction

Closed cell aluminium PentaPost framework with 'knock-in' corner pieces. The enclosure panels are double skinned construction with 20swg galvanized inner skin and Plastisol finish outer skin. Panels incorporate a 50mm thick layer of mineral fibre insulation.

Stainless steel option also available as an upgrade, please enquire.

### Technical Details

#### RECIRC 1.0 Tower

Maximum air flow – up to 1.0m<sup>3</sup>/s  
Dimensions – 2260H x 1150W x 800D (mm)  
Weight (incl filters) – 429kg  
Electrical supply – 3ph / 6A

#### RECIRC 1.0 Horizontal

Maximum air flow – up to 1.0m<sup>3</sup>/s  
Dimensions – 800H x 800W x 2250L (mm)  
Weight (incl filters)- 379kg  
Electrical supply – 3ph / 6A

#### RECIRC 1.5 Tower

Maximum air flow – up to 1.5m<sup>3</sup>/s  
Dimensions – 2460H x 1380W x 1100D (mm)  
Weight (incl filters) – 519kg  
Electrical supply – 3ph / 6A

#### RECIRC 1.5 Horizontal

Maximum air flow – up to 1.5m<sup>3</sup>/s  
Dimensions – 800H x 1100W x 2750D (mm)  
Weight (incl filters) – 472kg  
Electrical supply – 3ph / 6A

#### RECIRC 2.0 Tower

Maximum air flow – up to 2.0m<sup>3</sup>/s  
Dimensions – 2455H x 1530W x 1400D (mm)  
Weight (incl filters) – 572kg  
Electrical supply – 3ph / 10A

#### RECIRC 2.0 Horizontal

Maximum air flow – up to 2.0m<sup>3</sup>/s  
Dimensions – 800H x 1350W x 2700D (mm)  
Weight (incl filters) 524kg  
Electrical supply – 3ph / 10A



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