



REFLOW

RECIRCULATION
AND FILTRATION SYSTEMS

LOCATE COMMERCIAL
KITCHENS **ANYWHERE.**

Version 1.1

EXPERTS IN COMMERCIAL KITCHEN FILTRATION

purifiedair®

For over 30 years Purified Air has been a market leader in indoor air quality filtration and filtration and odour control for commercial kitchens.

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LOCATE COMMERCIAL KITCHENS.... ANYWHERE.

Our revolutionary recirculation units extract the fumes, grease and odour into our bespoke filtration tower.

There is an increasing demand for unlocking new locations where planning permission may have been refused or where a duct route to outside is simply not possible; Purified Air now has a solution. Our revolutionary recirculation unit extracts the fumes, grease and odour into our filtration tower and returns cleaned air back into the kitchen fully filtered.

BENEFITS

- ✓ Easy installation
- ✓ UK's best filtration
- ✓ Install internally or externally
- ✓ Bespoke service available

5/8 Stage Filtration Process

UKAS Laboratory Tested

No Need For External Ducts

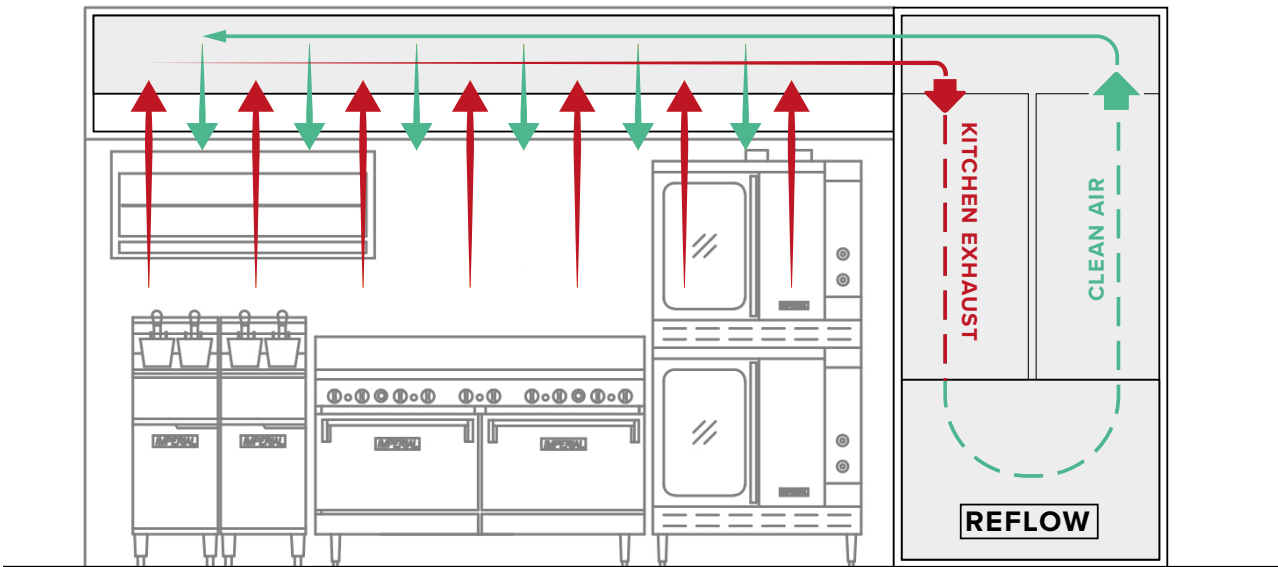
Can Be Sited Remotely

FILTRATION PROCESS

HOW IT WORKS

The extracted air passes through either 5 or 8 stages of filtration, depending on the size of the filtration tower, then exits through the front of the canopy back into the kitchen space via various grille options, fully filtered. We can even site the filtration tower remotely if space is tight on the cook line.

AIRFLOW



FILTERS REMOVE



Odour



Smoke



Steam



Oil

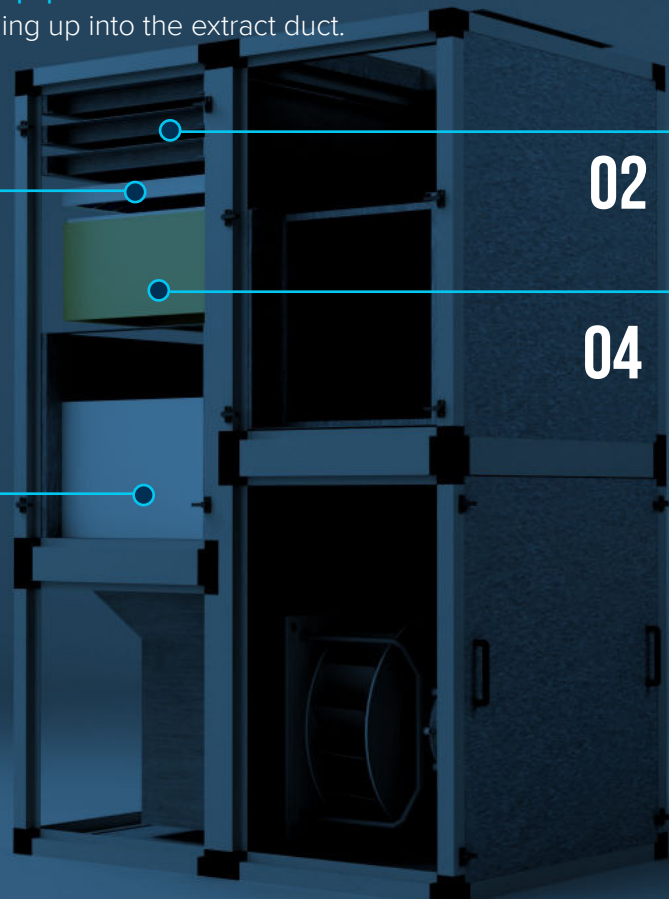
FILTRATION PROCESS

INSIDE THE TOWER

01 **Stainless Steel Baffle**
Directly Above Catering Equipment
Prevents flame from traveling up into the extract duct.

03 **G4 V Line Panel Filter**
Filters medium to fine particulate.

05 **Carbon Filter Double Pass**
Filters the malodorous gasses.



02 **Stainless Steel Mesh**
Filters larger grease particulate.

04 **Ultima HV Multitwedge High Capacity H10 HEPA Filter**
Efficient at filtering ultra fine particulate.

COMPLETE SERVICE PACKAGE



Design



Manufacture



Maintain

REFLOW RANGE

We manufacture three standard units, Reflow 0.9, Reflow 1.5 and Reflow 2.0 handling 0.9m³/s, 1.5m³/s and 2.0m³/s respectively, however bespoke horizontal or vertical units can be provided so no matter what the application or project size we have the solution.

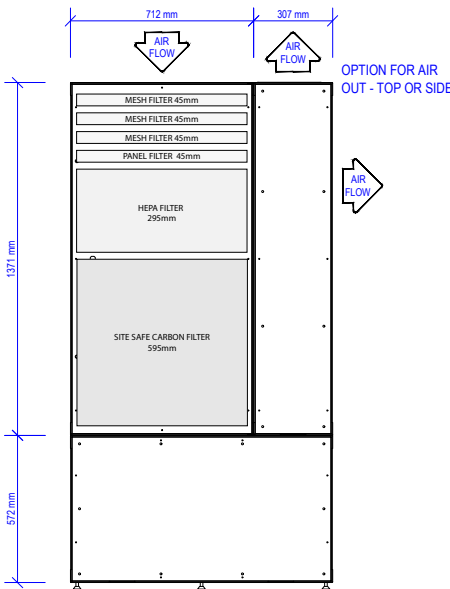
CONSIDERATIONS

We must stress that this recirculation system is only suitable for commercial kitchens that exclusively use Electric equipment.

We would also recommend that the kitchen space is fitted with air conditioning and ventilation to ensure kitchen temperatures are kept within comfortable levels.

Reflow 0.9

Coverage 0.9 m³/s,

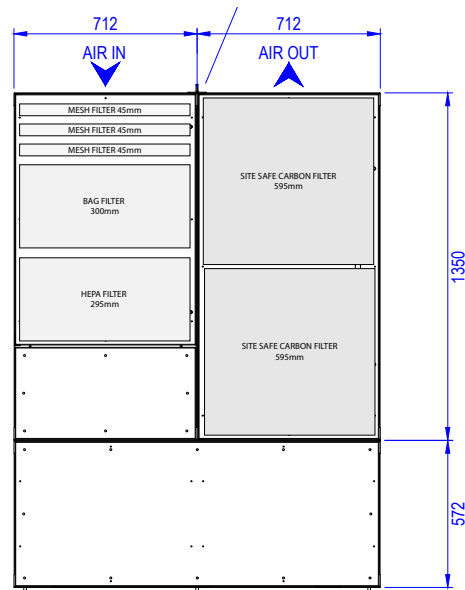


FRONT ELEVATION

REFLOW 0.9	
Electrical Supply	1 Phase – 20 Amp
Max Air Volume	up to 0.9m³/sec
Dimensions (mm)	
Width	1019 mm
Depth	721 mm
Height	1984 mm
Weight (kg)	348 kg (inc. fans / filters)

Reflow 1.5

Coverage 1.5 m³/s

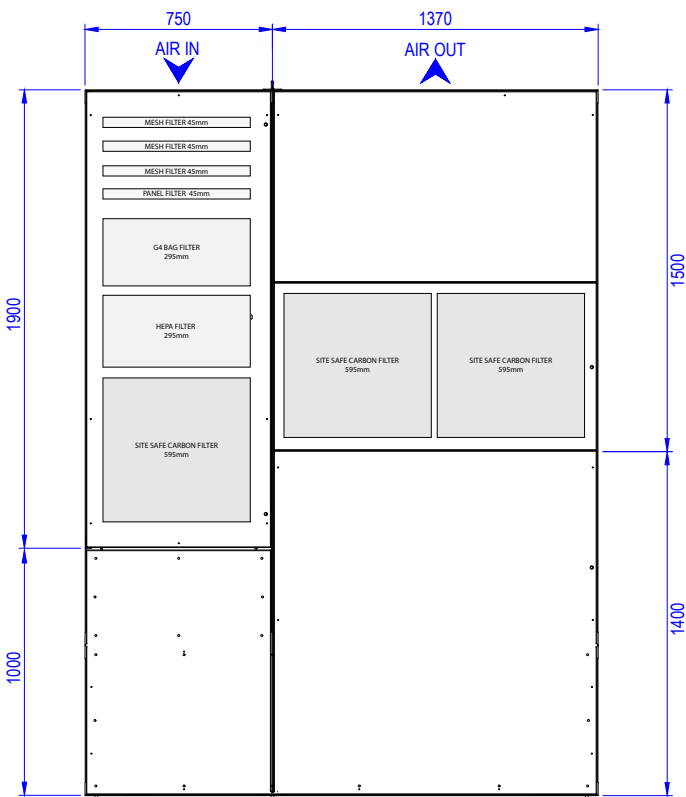


Front Elevation

REFLOW 1.5	
Electrical Supply	1 Phase – 20 Amp
Max Air Volume	up to 1.5m³/sec
Dimensions (mm)	
Width	1424 mm
Depth	1117 mm
Height	1962 mm
Weight (kg)	442 kg (inc. fans / filters)

Reflow 2.0

Coverage 2.0 m³/s



Front Elevation

REFLOW 2.0	
Electrical Supply	3 Phase - 16 Amp
Max Air Volume	up to 2.0m³/sec
Dimensions (mm)	
Width	2130 mm
Depth	1400 mm
Height	2900 mm
Weight (kg)	888 kg



COMPLIANT AND APPROVED



Approved for all
Stadiums



City of Westminster
Accepted



Laboratory
Tested



Compliant

PERFECT FOR:



Airports



Shopping Centres



Cafes



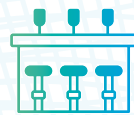
Stadiums



Restaurants



Catering Canteens



Public Houses



Listed Buildings

TRUSTED BY



We've been working with some of the UK's leading brands to help them install kitchens easily and purify the recirculated air they create.



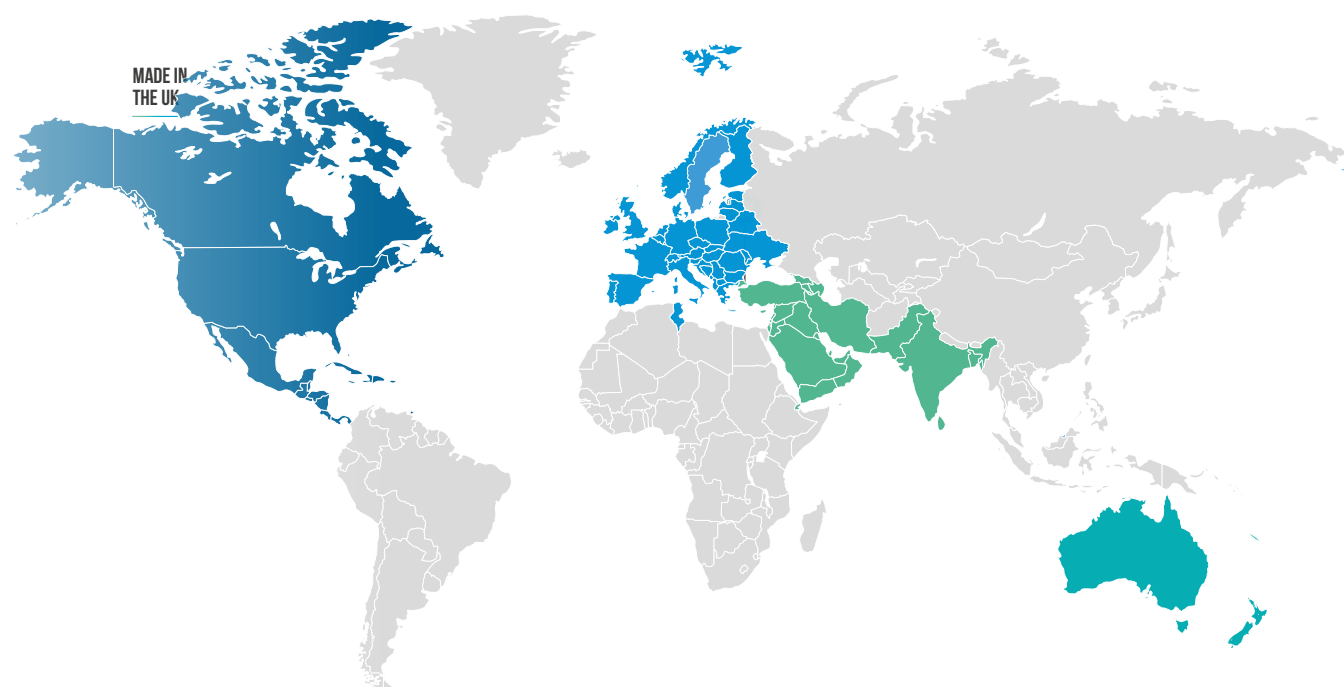
ABOUT US

Purified Air Ltd. has been striving to find the best and most cost-effective way to filter and control oil, smoke, fat and odour produced by commercial kitchens and service since 1984.

Purified Air manufactures filtration and odour control products for stock and bespoke systems, supplying systems to many sectoral brands. The design of each solution is based on the type of food cooked, the cooking process used, and the extracted air volume providing tried and tested purified kitchen exhaust air for Fast Food, Casual Dining and Luxury Concept Restaurant (Fine Dining) markets. By working with these variables, we can design and supply some of the world's best commercial kitchen filtration and odour control systems.

WORLDWIDE COVERAGE

- United Kingdom
- Middle East
- Europe
- North America
- Asia
- Australasia



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