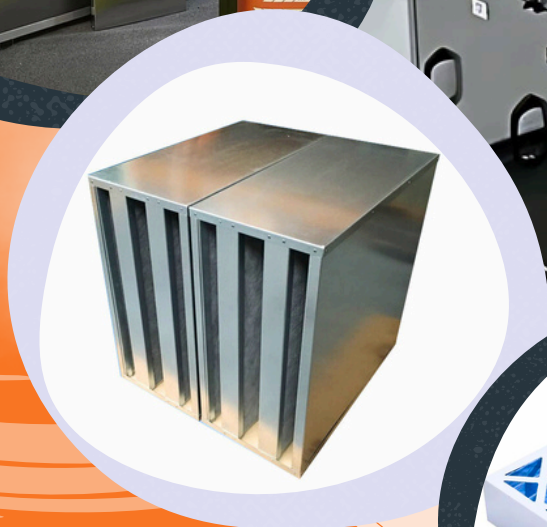




Re-circulation Ecology Ventilation



Introducing Uni-Fresh Ecology and re-circulation Units: The Essential Solution for a Clean and Efficient Kitchen
Tired of lingering cooking odours and greasy buildup in your commercial kitchen? Look no further than ecology units, the ultimate solution for maintaining a pristine and healthy kitchen environment.

Our Uni-Fresh ecology and re-circulation units are specifically designed to eliminate smoke, oil, and grease particles from your ventilation system, ensuring fresh, clean air throughout your kitchen. By effectively removing these byproducts of cooking, Uni-Fresh ecology units not only minimize odours but also contribute to a more pleasant and productive workspace.



Call Us Today
02476 367000
www.univent.uk



UNI-FRESH Re-Circulation Tower Unit: The Sustainable Solution for Your Commercial Kitchen

Efficiency and Savings:

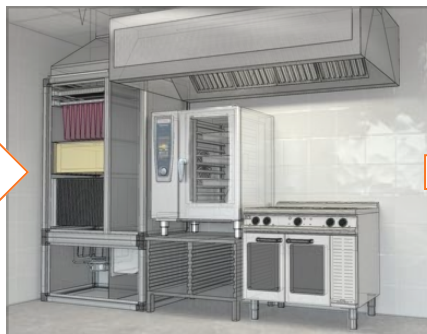
- **Reduced Energy Costs:** By filtering and recirculating the air extracted directly from your cookline, our units reduce the demand for fresh air from outside, leading to significant energy savings.
- **No Ductwork:** Eliminates costly installation and maintenance associated with traditional ducted extract systems.

Performance and Comfort:

- **4-Stage Filtration:** Our advanced filtration system, comprising mesh, bag, HEPA, and carbon filters, removes grease, smoke, odours, and airborne particles, ensuring a clean and healthy kitchen environment.
- **Improved Air Quality:** Cleaner air enhances comfort and well-being for your staff.
- **Reduced Noise:** Operates quietly, creating a more pleasant working environment.



Perfectly designed to suit your needs



Durability and Construction:

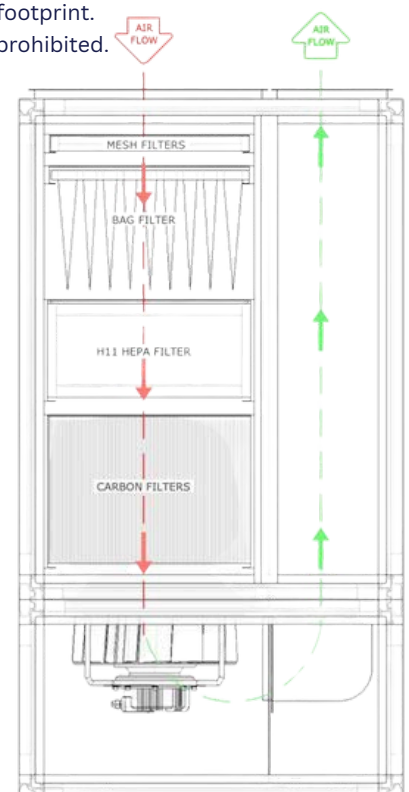
- **Double-Skinned Construction:** Ensures robust insulation and longevity.
- **High-Quality Materials:** Choose between a durable, Plastisol-coated Aluzinc steel outer skin in 'goosewing grey' or a sleek, satin-brushed 304 stainless steel finish.
- **Mineral Fibre Insulation:** A 50mm layer provides excellent thermal and acoustic insulation.

Sustainability:

- **Environmentally Friendly:** Reduces energy consumption and minimizes your kitchen's carbon footprint.
- **Ideal for Urban Environments:** Perfect for kitchens where traditional ducting is impractical or prohibited.

Available in various sizes to meet your specific needs: 1.0, 1.5, and 2.0m³/s.

Invest in a re-circulation unit today and experience a cleaner, more efficient, and sustainable kitchen.



⚠ Important Considerations!

Suitable for Electric Appliances Only: Our UNI-FRESH re-circulation tower units are only designed for electrically powered cooking appliances due to gas safety regulations.

Additional Cooling May Be Required: These units do not actively cool the extracted air. Therefore, consider the overall cooling needs of your kitchen space, especially during periods of high heat output.

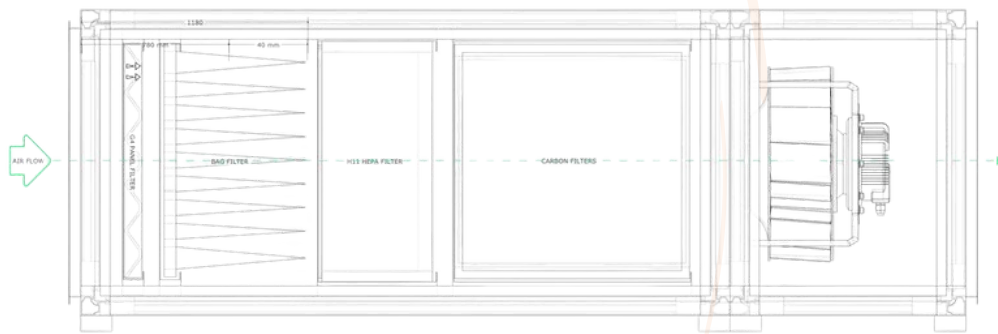
Maintain Negative Pressure: While our UNI-FRESH units operate independently, we recommend ensuring adequate ventilation within your kitchen to maintain a slight negative pressure. This typically requires 10 to 20 air changes per hour.



UNI-FRESH Ecology Unit: Clean Air for Your Kitchen and the Environment

Clean Air Release:

- Multi-Stage Filtration: Our state-of-the-art filtration with options for, mesh (G4), bag (F6/F7), HEPA (H10/H11), carbon filters (site safe & cylindar) and UV-C. Rigorously cleaning extracted air before releasing it back into the atmosphere.
- Reduced Emissions: Minimizes grease, smoke, and odour emissions, contributing to a cleaner environment for your neighbourhood.
- Regulatory Compliance: Helps you meet environmental regulations and avoid potential fines.



Kitchen Benefits:

- Improved Indoor Air Quality: Removes contaminants from your kitchen's air, enhancing staff health and comfort.
- Reduced Fire Risk: Our filtration system captures grease particles, significantly reducing the risk of fire hazards in your ductwork.

Durability and Construction:

- 50x50mm Modular pentapost framework
- Double-Skinned Construction: Built to withstand the demands of commercial kitchens.
- Premium Materials: Select from a resilient, Plastisol-coated Aluzinc steel exterior or a sophisticated, satin-brushed 304 stainless steel option.
- Mineral Fibre Insulation: 60kg/m³ A 50mm layer provides superior noise reduction and thermal efficiency.
- Access via fully removable panels, with 180-degree quick-release fasteners and grab handles.
- RSC Base frames with lifting eyes (optional)
- Internal or external applications
- Various filter pressure monitoring and control package options are available.

Available in various sizes to suit your needs.

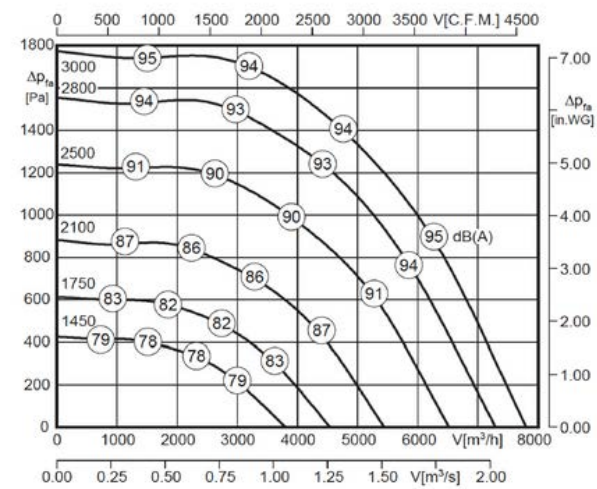
Community Benefits:

- Good Neighbor Policy: Minimize environmental impact on surrounding areas.
- Demonstrate Corporate Responsibility: Showcase your commitment to sustainability and a healthy environment.

Invest in an ecology unit and enjoy a cleaner, safer kitchen while protecting the environment.



1.0 Fan Details



Voltage (Nom): 400 V
Frequency: 50 Hz
Phase(s): 3~
Input Power: 3.2 kW
Output Current: 4.80A

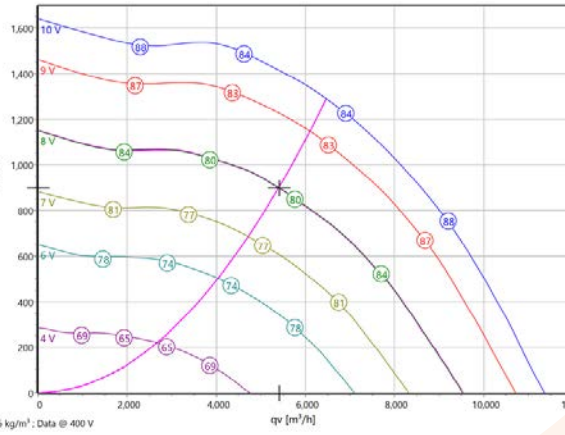
Sound Data	125Hz	250Hz	500Hz	1000Hz	2000Hz	4000Hz	8000Hz
LW (A, In) [dB]	83.	68.	68.	80.	77.	76.	73.
LW (A, In) [dB]	90.	75.	75.	87.	83.	84.	80.

Distances	1m	4m
LW (A, In) [dB]	76.	66.
LW (A, In) [dB]	83.	75.

Case Noise Reduction	63Hz	125Hz	250Hz	500Hz	1000Hz	2000Hz	4000Hz	8000Hz
LW (A) [dB]	-16	-18.	-33.	-36.	-37	-32.	-35.	-40.

Based on 50mm casing panels

1.5 Fan Details



Voltage (Nom): 400 V
Frequency: 50 Hz
Phase(s): 3~
Input Power: 3.2 kW
Output Current: 4.80A

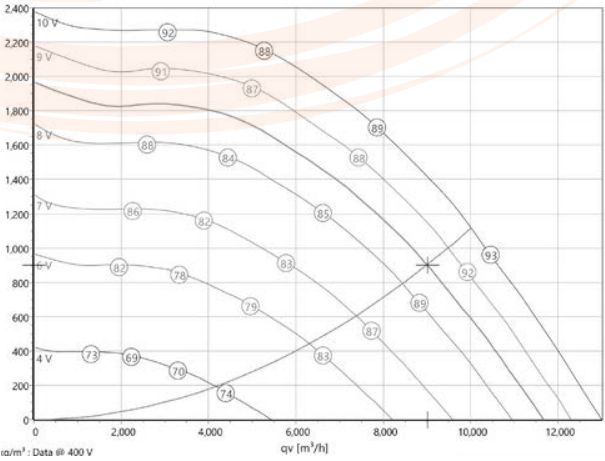
Sound Data	25Hz	125Hz	250Hz	500Hz	1000Hz	2000Hz	4000Hz	8000Hz
LW (A, In) [dB]	-7	-38.	-25.	-12.	-12.	-15.	-16.	-20.
LW (A, In) [dB]	-31.	-19.	-6.	-5.	-5.	-11.	-18.	-22

Distances	1m	4m
LW (A, In) [dB]	-14.	-24.
LW (A, In) [dB]	-7 .	-17.

Case Noise Reduction	63Hz	125Hz	250Hz	500Hz	1000Hz	2000Hz	4000Hz	8000Hz
LW (A) [dB]	-16	-18.	-33.	-36.	-37	-32.	-35.	-40.

Based on 50mm casing panels

2.0 Fan Details



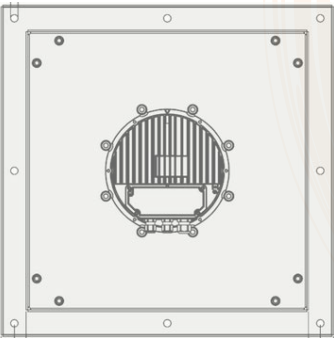
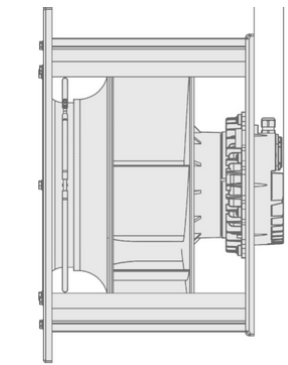
Voltage (Nom): 400 V
Frequency: 50/60 Hz
Phase(s): 3~
Input Power: 5.09 kW
Output Current: 9.05A

Sound Data	63Hz	125Hz	250Hz	500Hz	1000Hz	2000Hz	4000Hz	8000Hz
LW (A, In) [dB]	83.	52.	64.	80.	80.	78.	78.	74
LW (A, In) [dB]	91.	60.	68.	84.	86.	86.	84.	80.

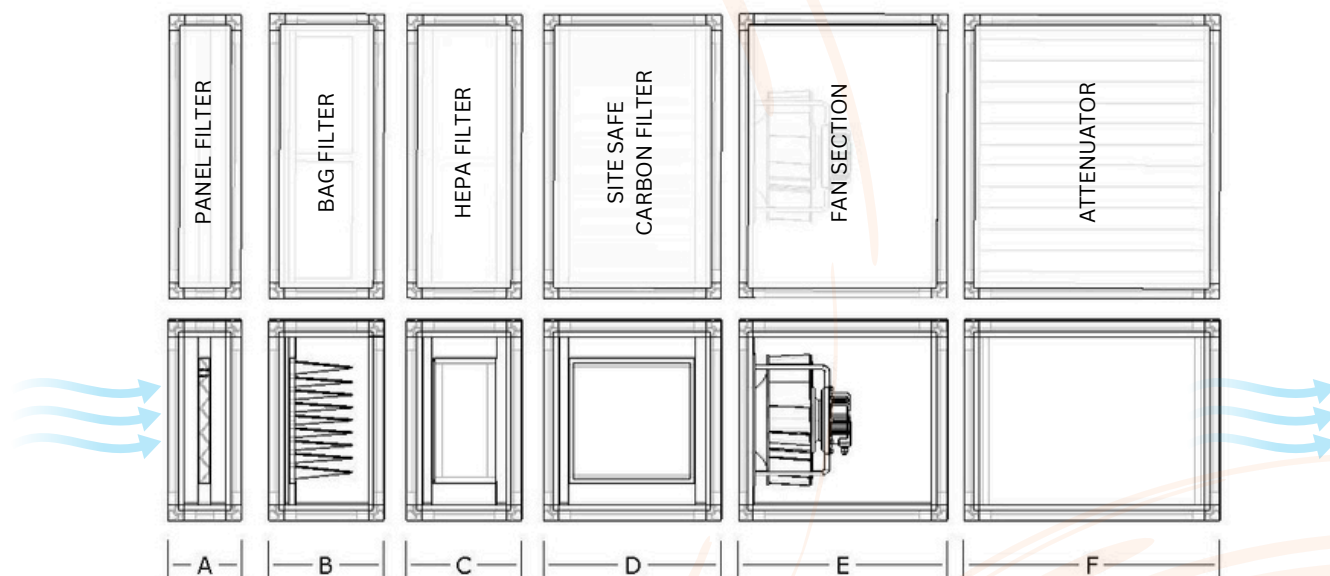
Distances	1m	4m
LW (A, In) [dB]	79.	69.
LW (A, In) [dB]	84.	74.

Case Noise Reduction	63Hz	125Hz	250Hz	500Hz	1000Hz	2000Hz	4000Hz	8000Hz
LW (A) [dB]	-16	-18.	-33.	-36.	-37	-32.	-35.	-40.

Based on 50mm casing panels



Our bespoke ecology clean air systems can be made up of any configuration of the following sections



AIR VOLUME	HEIGHT (Excluding Base)	WIDTH	A		B		C		D		E		F	
			Size	Weight	Size	Weight	Size	Weight	Size	Weight	Size	Weight	Size	Weight
1.0	750	750	350	42kg	550	104kg	550	110kg	850	140kg	1050	174kg	1225	160kg
1.5	950	1350	350	54kg	550	138kg	550	114kg	850	176kg	1050	242kg	1225	185kg
2.0	1350	1350	350	60kg	550	153kg	550	161kg	850	198kg	1050	318kg	1225	216kg

Control Panels

Option 1: Isolator and 0-10v Speed Controller fitted and pre-wired to unit.

Option 2: Small control panel for remote operation

Option 3: Full control panel, to include P.D switch, run/fail lights and Filter condition lights



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