aerofresh

In Sync with healthier indoor air quality

The **Aerofresh system** utilises an innovative ceramic core heat exchanger that delivers up to 82% heat recovery. Two synchronised units alternate between exhaust and supply air flow to help maintain healthy indoor air quality, and prevent condensation and mould growth.

FANTECH
Intelligent Ventilation

Fresh air through continuous ventilation

The Aerofresh decentralised energy recovery unit provides continuous ventilation to ensure a home feels fresh and comfortable to live in. Home occupants can enjoy a healthier indoor environment as the Areofresh will improve the air quality, while being energy efficient to run and very simple to operate.

The Aerofresh units are installed in synchronised pairs to provide balanced ventilation (non pressurised) and promote higher levels of air circulation within the home compared to single point systems.

Helps reduce air contaminants & energy costs

Outside air coming in through windows and doors can be a major contributor to a home's heating and cooling costs. An Aerofresh ventilation system can considerably reduce these energy costs by transferring up to 82% of the thermal energy from the exhaust air to the incoming fresh air. During winter it transfers the heat from the warmer indoor air and in summer the coolth from the colder air.

Natural ventilation through open windows and doors can also have other negative effects, including entry of dust and insects, a reduction in security and exposure to adverse weather conditions. Installation of an Aerofresh energy recovery system avoids these factors and helps to maintain lower concentrations of contaminants such as CO_2 and VOCs by supplying continuous fresh air.

Regenerative ceramic core heat exchanger with high thermal efficiency

European Made | Heat Exchanger | Energy Saver | Quiet Operation

PRO model shown with aluminium weatherproof external hood

FANTECH Intelligent Ventilation

aerofresh

Features

- Alternating exhaust/supply air flow direction ("push-pull") ensures efficient energy recovery and air circulation
- Sleek modern internal diffuser is easily removed for cleaning
- Regenerative ceramic core heat exchanger with high thermal efficiency (up to 82%)
- Fitted with a high efficiency EC motor that is designed for continuous running and fitted with high quality, sealed for life bearings
- Unique winglet-type impeller provides increased efficiency and low noise
- Telescopic tube makes unit adaptable to wall thicknesses from 300mm to 560mm
- Standard model comes with a plastic external grille with insect screen
- PRO model comes with an aluminium weatherproof external hood with acoustic lining and insect screen
- 3 speed operation
- Dust filter is easy to remove for cleaning and maintenance from inside the home
- "Free cooling" function allows cool outside night air to enter during summer (night time purge)
- Meets ErP Directive, Regulations 1253/2014 - 1254/2014
- Motor protection IPX4

How Aerofresh works

- Aerofresh units are installed in pairs at the maximum practical distance to each other
- Both units alternate their air flow direction every 70 seconds (approx.) and are synchronised with each other so while one unit is exhausting air the other is supplying air into the home *(fig 1.a & 1.b)*
- The Areofresh unit transfers the thermal energy from air inside the building to the incoming fresh air
- The incoming pre-conditioned fresh air reduces the demand for additional heating and cooling
- Helps maintain healthy indoor air as well as prevent condensation and mould growth
- 8 to 10mm door undercut allows air flow when doors are closed

Fig 1.a

Fig 1.b

Balanced energy recovery mode
Aerofresh can be installed as two synchronised units, providing the home with pre-conditioned fresh air.

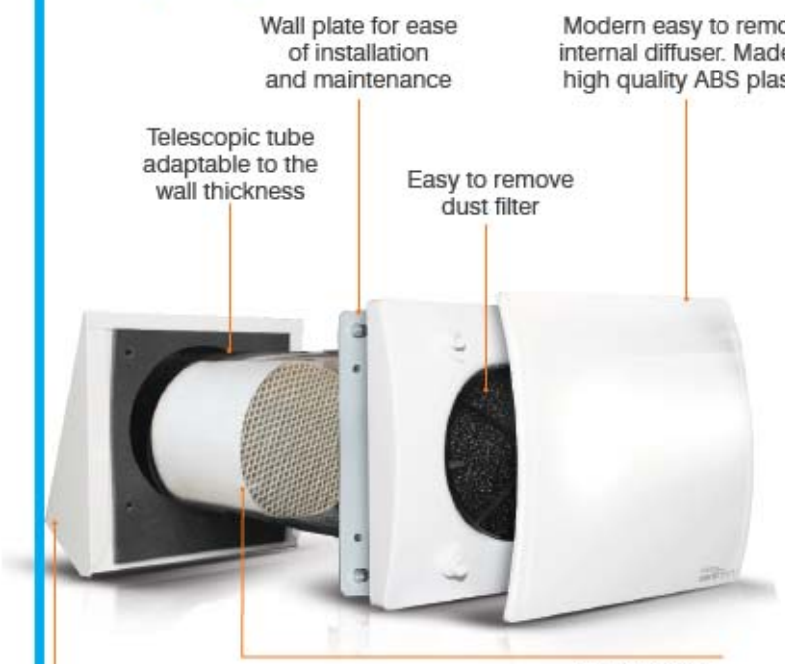
Fig 2

Exhaust fan makeup air mode.
Aerofresh can also be wired with exhaust fan to provide make-up air when exhaust fan is activated.

It then reverts to balanced energy recovery when exhaust fan is switched off.

Energy efficient to run and simple to operate

Quality Key Components



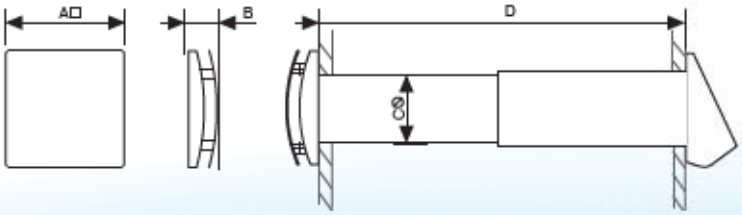
Technical Data

Model No.	AEROHR-150/PRO		
Speed	Low	Med	High
Air flow (m³/h)	20	40	60
Watts	2.4	4.1	6.9
Avg. dB(A) @ 3m*	10	18	26
Voltage	220-240 V		
Frequency	50 Hz		
Max Temperature	50 °C		

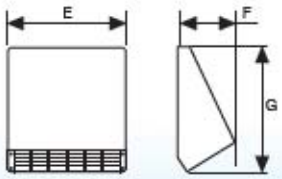
*Sound Pressure level @ 3m in free field

Dimensional Data

Energy Recovery Unit



External Hood - PRO Model



External Grille - Standard Model

Model No.	A □	B	CØ	D	E	F	G	H □	I
AEROHR-150PRO	218	51	158	300 to 560	252	114	262		
AEROHR-150	218	51	158	300 to 560				218	20

Dimensions in mm

Scan the QR Code for more information

FANTECH
Intelligent Ventilation

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