Introduction

Volution Group plc is a leading supplier of ventilation products to the residential and commercial construction market in the UK and northern Europe

Total locations
21

UK & Ireland
Ten locations
Seven brands

Vent-Axia
MANROSE
DIFFUSION
AIRTECH
NATIONAL VENTILATION
Breathing Buildings
torin-sifan

Central Europe
Four locations
Four brands

inVENTer
BRÜGGEMANN
Ventilair GROUP
Vent-Axia

Nordics
Seven locations
Four brands

Fresh
PAX
welair
VoltAir

volution
ventilation group

The Brands

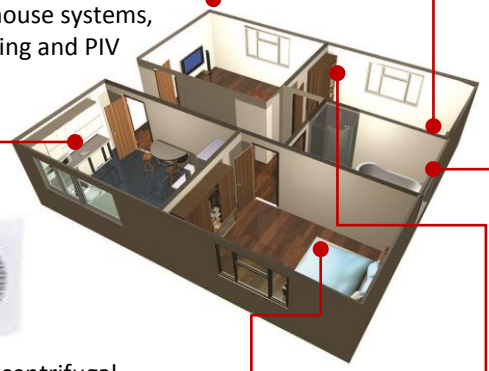
- Specialist in plastic residential and commercial fans and plastic ducting
- Supply the electrical wholesalers and retail primarily over the counter
- Vertically integrated with production in slough

MANROSE®

evolution ventilation group

Product categories

Wholehouse systems, ducting and PIV



Heating including towel rails

Industrial metal fans including high temperature

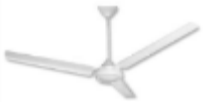
Hand dryers both traditional and fast dryers

Traditional centrifugal and axial residential extract fans

Premium residential extract fans

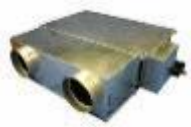
Air inlets including acoustic and automatic

Decentralised MVHR products



Air cooling both commercial and domestic

Plastic commercial Ventilation for walls, windows, ceilings and inline



Commercial systems including air handling , fan coils and hybrid ventilation solutions

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Manrose

Residential and Commercial Fans (Examples)

Axial 100, 120 and 150mm

Inline 100, 120 and 150mm

Centrifugal range

Centrifugal inline

Mixed flow 100 -200mm

Centrifugal 100 - 315mm

Axial 150, 230, 300mm

PVC ducting ranges

The Brands

- Specification brand
- Supplies residential and non-residential ventilation solutions
- Complete project solution from small 100mm diameter plastic fan to 16m3s Air handling solution

Vent-Axia®

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Vent-Axia

Residential New Build

Silent continuous running fans

Centralised continuous running units

Heat recovery units for apartments

Heat recovery units for houses / villas

All with Lo-Carbon DC motors and high efficiency heat recovery up to 94%

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Vent-Axia

Residential Refurbishment and Maintenance

Social Refurbishment

Silent continuous running centrifugal

Single room heat recovery units with up to 80% heat recovery

Private Refurbishment

Silent Fans

Centrifugal fans

Shower light kits

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Vent-Axia

Commercial New Build

Single and twin Centrifugal box fans 100m -500 mm with DC motor options

Heat recovery with up to 90% efficient heat exchange and DC motors and 2000m3h

Air handling up to 1.5 m3/s

Commercial R&M

Mixed flow 100 – 315mm

Long cased axial fans 250 – 1250mm

Axial fan 150 – 300mm

Plate and case axial fans 250 – 710mm

Centrifugal plastic fans 100 – 315mm

Axial, mixed flow and centrifugal roof fans 250 – 710mm

Centrifugal metal fans 100 – 315mm

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Why is Effective Ventilation Important?

With people spending up to 90% of their time indoors, and with growing evidence of pathogens moving around our buildings, there has never been a more important time to make sure a building has effective ventilation since it helps reduce COVID-19 transmission rates indoors.
In Fact, the UK Government recently stated “Research shows that being in a room with fresh air can reduce your risk of infection from particles by over 70%, as fresh air dilutes the particles*”. Using ventilation to either introduce, or increase fresh air circulation in the home is therefore central to reducing infection rates. Independent guidance on this has been published by a number of sources:

*SOURCE: SAGE EMG paper, Role of Ventilation in Controlling SARS-CoV-2 Transmission

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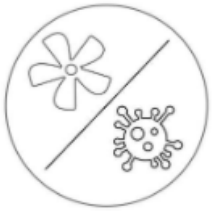
Government publication 'Our plan to rebuild: The UK Government's COVID-19 recovery strategy'

Effective ventilation is central to UK Government guidance. It is advised to "Use external extractor fans to keep spaces well ventilated and make sure that ventilation systems are set to maximise the fresh air flow rate".



Professor Jonathan Van-Tam, Deputy Chief Medical Officer confirmed at a COVID-19 briefing on 29th April that ventilation lowers transmission rates from respiratory viruses. "There is a definite truism across all of the science literature, that ventilation is a most critical part of reducing transmission from respiratory viruses."

CIBSE has published practical industry guidance on ventilation in its document 'CIBSE COVID-19 Ventilation Guidance'. This explains how ventilation can minimise the risks of airborne transmission of Coronavirus. Here the general advice is to "increase the air supply and exhaust ventilation, supplying as much outside air as is reasonably possible" to dilute and remove the virus from the air as much as possible..

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