



VENTI



Simple and Effective Residential Ventilation System



The Problem!

38% of the UK's homes were built before World War 2, resulting in the UK having the oldest housing stock in Europe. These homes were very "naturally ventilated" (leaky!) due to construction methods and the prevalence of single glazing and chimneys. With the all-important national goal of the reduction of our carbon footprint (Net Zero Carbon by 2050), these properties have become a focus for needing to be brought up to standard via the retrofit programme.

Retrofit measures include many aspects such as insulation upgrades (external walls, internal walls, cavities, lofts etc), window upgrades (double/triple glazing, seals, hardware etc), solar PV, heat pumps, heating and ventilation upgrades and more.

One major consequence of these measures is the increase in airtightness of the dwelling. Without proper ventilation in place alongside other retrofit measures, this results in an increase of condensation, damp and mould, as well as a very harmful decrease in indoor air quality.

How traditional ventilation methods are ineffective

Traditionally, homes have been ventilated using intermittent extract fans in wet areas such as bathrooms and kitchens, with the air supply coming from trickle vents.

Trickle vents are typically long slot holes cut into window frames - the reality is that 99% of the time they are kept closed by the occupants. Even when they are open, they let cold air, noise, and insects in, and release the warm air out.

As we improve the thermal efficiency of our homes, which increases air tightness, these traditional methods just don't meet today's needs.

Proper ventilation includes centralised or decentralised mechanical ventilation with heat recovery systems. This creates a balanced airflow within the dwelling, removing pollutants and other particles as well as introducing fresh filtered, pre-heated air into the dwelling. This also greatly enhances the thermal comfort, reducing heating bills and carbon emissions.

94%
of homeowners
do not want trickle
vents in their new
windows

55%
of UK homeowners
report poor
indoor air quality,
condensation
or mould

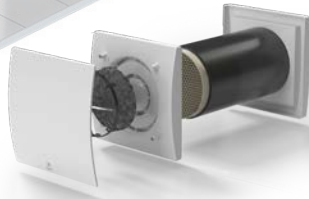


The System

The Ultimate Balance of Airflow in Your Home

The VENTI Decentralised System

- Brings fresh air in
- Extracts humid & stale air out continuously
- 82-92% of heat recovered
- Running cost extremely low
- Part F & PAS2035 compliant



Room Type Habitable Rooms

Operation

Alternate Flow Supply Air

Product

FLUXO or AUREN

2 Product options	
FLUXO	AUREN
Basic srMVHR	Advanced srMVHR
✓ Wall switch control	✓ Digital LCD wireless remote control
✓ 3-speed settings	✓ 3-speed settings
✓ From 10 dB(A)	✓ From 4 dB(A)
✓ From 1.2W (100mm) / 1.4W (150mm)	✓ From 3.9W
✓ SFP 0.4-0.32 W(L/s)	✓ SFP 1.3-0.39 W(L/s)
✓ Italian-engineered motor	✓ Italian-engineered motor
✓ Suits wall thickness 300-570mm	✓ Suits wall thickness 200-3000mm
✓ 10 Year Warranty	✓ 10 Year Warranty
	✓ Sound attenuation up to 48 dB
	✓ Optional filters ISO 30/45/60 / ePM10
	✓ Integral intelligent humidity boost sensor
	✓ Night mode for bedrooms

Room Type Wet Rooms

Operation

Smart Continuous Extraction

Product

ARIA

ARIA
Continuous Running dMEV
✓ 5-25 L/s (100mm) / 5-50 L/s (150mm)
✓ From 9 dB(A)
✓ From 1.0W
✓ SFP 0.04 W(L/s) (100mm) / 0.024 W(L/s) (150mm)
✓ Integral humidity boost sensor
✓ Run-on timer
✓ No light switch connection needed
✓ IPX4 protection



Advanced ventilation technology with intelligent humidity control. Super quiet, efficient, and always working to keep your home dry.

This is not a standard bathroom extract fan!

Key Features

Discover what makes the ARIA extract fan exceptional



Intelligent Constant Flow

Automatically adjusts fan speed according to duct length and external wind pressure for optimal performance



Humidistat Boost Control

Integral humidity sensor intelligently boost ventilation when needed - no light connection required



Exceptionally Quiet

Ultra-low noise from just 9dB(A) @ 3m - virtually silent operation



Ultra Energy Efficient

From 1.0W-2.6W (100mm) or 0.7-6.5W (150mm) - minimal running costs



Italian Engineering

Premium Italian-engineered & manufactured motor with comprehensive 10-year warranty



Complete Installation Kit

Includes rigid wall duct and external grille, IPX4 rated for bathroom safety

- ✓ Continuous Trickle Extract Ventilation
- ✓ Intelligent Constant Flow function
- ✓ Integral Humidity Control sensor
- ✓ Over-run Timer Function
- ✓ Wind Baffle options (VERTEX, FORM, SENTINEL)
- ✓ LED Boost Indicator
- ✓ IPX4 Protection
- ✓ Wall or Ceiling Mount
- ✓ Complete Installation Kit (including rigid wall duct section)
- ✓ 10 Year Warranty

Extraction Airflow

- **100mm (4")** - Extraction: 7.5 l/s to 23 l/s
- **150mm (6")** - Extraction: 5.0 l/s to 50 l/s

The Fan That Stops Condensation. Stops Mould.

Building Regulation Requirements

Table 1.1
Minimum extract ventilation rates for intermittent extract systems

Room	intermittent extract rate (L/s)
Kitchen (cooker hood extracting to the outside) ⁽¹⁾	30
Kitchen (no cooker hood or cooked hood does not extract to the outside) ⁽²⁾	60
Utility room	30
Bathroom	15
Sanitary accommodation ⁽³⁾	6

Notes:

1. See Diagram 1.1
2. See Diagram 1.2
3. As an alternative for sanitary accommodation, the purge ventilation guidance may be used.

Table 1.2
Minimum extract ventilation rates for continuous extract systems ⁽¹⁾

Room	High rate (L/s)	Continuous rate
Kitchen	13	The sum of all extract ventilation in the dwelling on its continuous rate should be at least the whole dwelling ventilation rate given in Table 1.3
Utility room	8	
Bathroom	8	
Sanitary accommodation	6	

Notes:

1. If the continuous rate of ventilation provided in a room is equal to or higher than the minimum high rate specified in the table, no extra ventilation is needed.

Stop Paying for the Problem.

For a typical bathroom, a VENTI continuous fan (7 L/s) maintains a lower moisture baseline while using approximately 18x less energy than an intermittent fan (30 L/s) moving the same total daily air volume. It's not just a better fan; it's a responsible energy specification.

The Risk of the 'Quick Fix'.

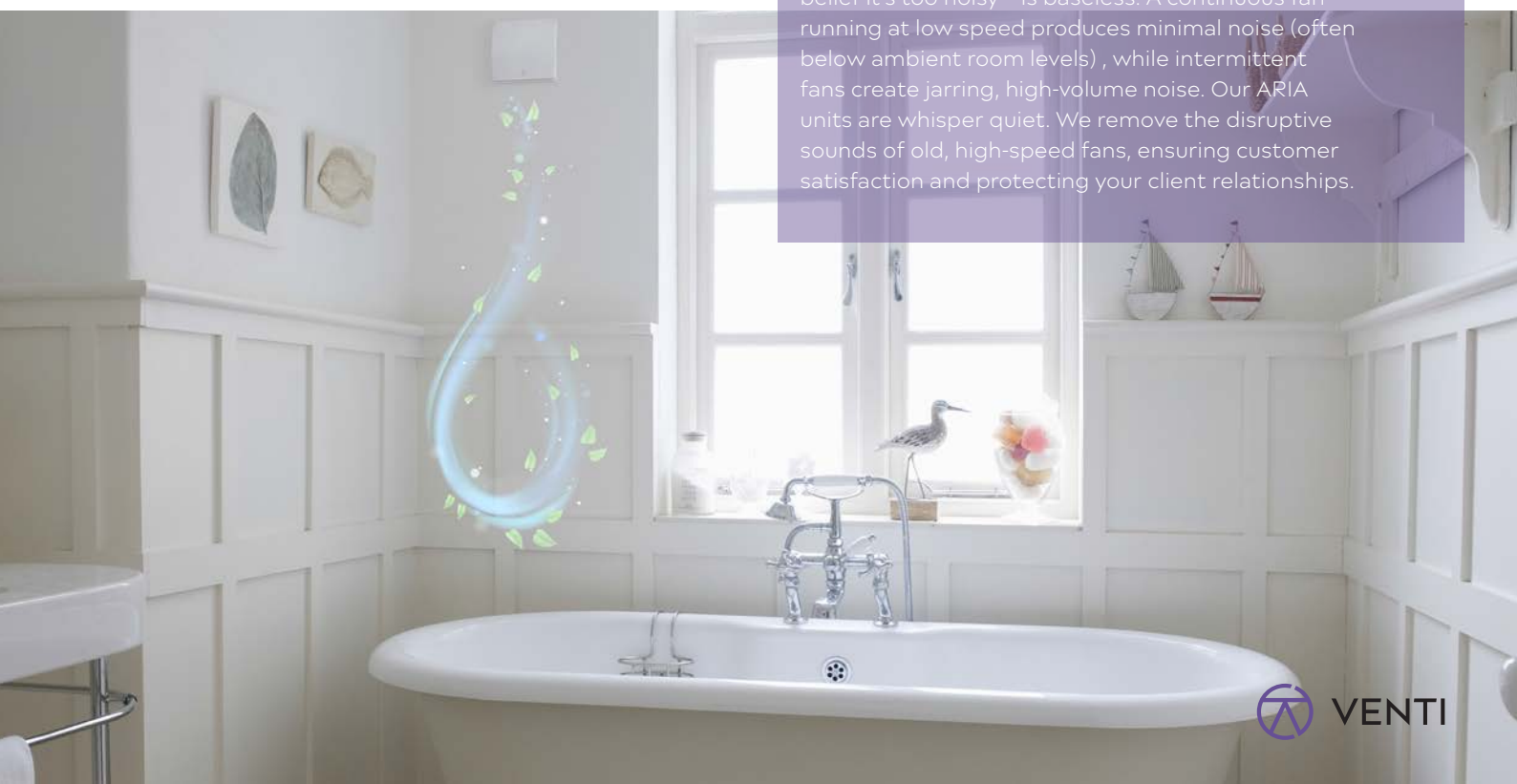
Intermittent fans clear air temporarily but can't extract moisture from saturated materials, allowing re-evaporation when the fan stops. This is the critical flaw that leads to the cycle of high humidity and condensation, and eventually, the cost of mould removal.

VENTI ARIA: The Predictable Solution.

Our continuous units maintain a persistent vapour pressure gradient, drawing moisture from building materials 24/7, preventing condensation before it can form. One homeowner, Nicola Hamilton, confirmed the outcome: "We haven't had any condensation issues since installation". That's an elimination of risk, not just a reduction.

No More Noise Complaints.

The primary barrier to continuous extraction—the belief it's too noisy—is baseless. A continuous fan running at low speed produces minimal noise (often below ambient room levels), while intermittent fans create jarring, high-volume noise. Our ARIA units are whisper quiet. We remove the disruptive sounds of old, high-speed fans, ensuring customer satisfaction and protecting your client relationships.





**A Smart Continuously Running Extract Fan
which adjusts intelligently Based on the Room's Environment**

Transform your Home with ARIA®

Smart Wet Room Fan for a Healthier Home

How long does a wet shower tray take to dry?

What is the ARIA®?

The ARIA is a smart, discreet, continuously running ventilation unit designed for bath and shower rooms, toilets, kitchens and utility rooms. Unlike traditional extract fans that turn off after a very short set time, ARIA works 24/7 to keep your home dry and healthy.

It has a built-in sensor that kicks in when humidity levels rise. If it gets too humid, the ARIA speeds up to clear the damp air fast.

Why Choose ARIA®?

Say Goodbye to Damp, Mould and Condensation!

- **Keeps Your Home Dry:** ARIA helps prevent damp and mould by continuously removing moist air.
- **Whisper Quiet:** Runs quietly, so you won't even notice it's there—just dry air all the time!
- **Smart Boost Control:** It has a built-in sensor that kicks in when humidity levels rise. If it gets too humid, ARIA speeds up to clear the air.
- **Energy Efficient:** Uses very little power, saving you money on your energy bills.



Configure your ARIA



100mm (4")

Extraction: 7.5 l/s to 23 l/s
Power: 1.0W – 2.6W

150mm (6")

Extraction: 5.0 l/s to 250 l/s
Power: 0.7W – 6.5W



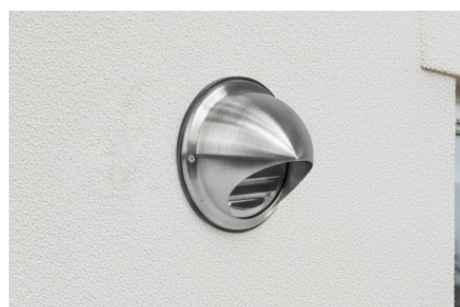
VELA Fixed Louvre Grille

ARIA 100	ARIA 150	VERTEX Grille Colour / Finish
VKAR100-CU-01-X-WH	VKAR150-CU-01-X-WH	White RAL9003
VKAR100-CU-01-X-BR	VKAR150-CU-01-X-BR	Brown RAL8017
VKAR100-CU-01-X-BL	VKAR150-CU-01-X-BL	Black RAL9001
VKAR100-CU-01-X-TC	VKAR150-CU-01-X-TC	Terracotta RAL2001
VKAR100-CU-01-X-BE	VKAR150-CU-01-X-BE	Beige RAL1001
VKAR100-CU-01-X-DG	VKAR150-CU-01-X-DG	Dark Grey RAL7016



VERTEX Wind Baffle Cover

ARIA 100	ARIA 150	VERTEX Grille Colour / Finish
VKAR100-CU-02-X-WH	VKAR150-CU-02-X-WH	White RAL9003
VKAR100-CU-02-X-BR	VKAR150-CU-02-X-BR	Brown RAL8017
VKAR100-CU-02-X-BL	VKAR150-CU-02-X-BL	Black RAL9001
VKAR100-CU-02-X-TC	VKAR150-CU-02-X-TC	Cotswold Stone
VKAR100-CU-02-X-BE	VKAR150-CU-02-X-BE	Terracotta
VKAR100-CU-02-X-DG	VKAR150-CU-02-X-DG	Dark Grey RAL7016



FORM Stainless Bullnose Cowl

ARIA 100
VKAR100-CU-03-X-SS
ARIA 150
VKAR150-CU-03-X-SS



**SKYLINE High-Rise Grille
(install from inside)**

ARIA 100
VKAR100-CU-04-X-WH
ARIA 150
VKAR100-CU-04-X-WH



SENTINEL Cast Iron Cowl

ARIA 100
VKAR100-CU-05-X-BL
ARIA 150
VKAR150-CU-05-X-BL

FLUXO

Basic srMVHR

Continuous Mechanical Fresh Air Supply.



How FLUXO Works

FLUXO is designed for simplicity and efficiency. It operates on a continuous 70-second cycle, drawing in fresh, filtered air from outside before reversing to extract stale air from your home.

Thanks to an innovative heat exchanger at its core, over 82% of the heat is retained, keeping your home warm and energy-efficient, saving you money on energy costs.

For added flexibility, an optional switch lets you set FLUXO to extract-only mode – perfect for quickly cooling overheated rooms.

Why Choose FLUXO Over Trickle Vents?

Trickle vents may seem like a solution, but they often create more problems than they solve:

- » **Blocked Ventilation:** Homeowners frequently close trickle vents, leading to mould, damp, and condensation.
- » **Unwanted Drafts:** Trickle vents let in cold air, insects, and noise.
- » **Heat Loss:** Costly warmth escapes through open vents.
- » **Unightly Design:** Trickle vents of up to 900mm are required per room to meet regulations, disrupting the sleek look of premium windows and creating unattractive plastering details.

With FLUXO, you get continuous fresh air without drafts, insects, or compromising your home's aesthetics.

It's the smarter, cleaner, and more efficient alternative.



For Habitable Rooms

Breathe Better, Live Better with FLUXO

At Venti, we know fresh air is essential for a healthy, comfortable home. That's why we've created the FLUXO – a smarter, more sustainable way to bring fresh air into your living spaces.

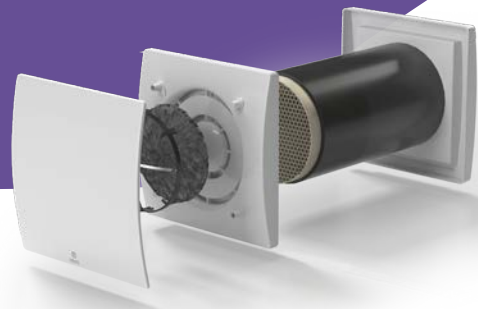
Unlike traditional trickle vents, FLUXO offers continuous, balanced air movement, so your rooms are always filled with clean, fresh air. It's the perfect blend of innovation and simplicity, designed to improve your home's air quality, effortlessly.

Say goodbye to stale air and hello to a fresher, healthier environment with FLUXO – the better way to breathe.

FLUXO: Continuous Mechanical Fresh Air Supply.



Configure your FLUXO



100mm (4")

Airflow: 3 / 4 / 8 l/s
Power: 1.2 / 1.7 / 2.6W
Room size: 10.0 – 26.7m²

150mm (6")

Airflow: 6 / 11 / 17 l/s
Power: 1.4 / 2.3 / 3.8W
Room size: 20.0 – 56.7m²



VELA Fixed Louvre Grille

FLUXO 100	FLUXO 150	VERTEX Grille Colour / Finish
VKFL100-CU-01-S-WH	VKFL150-CU-01-S-WH	White RAL9003
VKFL100-CU-01-S-BR	VKFL150-CU-01-S-BR	Brown RAL8017
VKFL100-CU-01-S-BL	VKFL150-CU-01-S-BL	Black RAL9001
VKFL100-CU-01-S-TC	VKFL150-CU-01-S-TC	Terracotta RAL2001
VKFL100-CU-01-S-BE	VKFL150-CU-01-S-BE	Beige RAL1001
VKFL100-CU-01-S-DG	VKFL150-CU-01-S-DG	Dark Grey RAL7016



VERTEX Wind Baffle Cover

FLUXO 100	FLUXO 150	VERTEX Grille Colour / Finish
VKFL100-CU-02-S-WH	VKFL150-CU-02-S-WH	White RAL9003
VKFL100-CU-02-S-BR	VKFL150-CU-02-S-BR	Brown RAL8017
VKFL100-CU-02-S-BL	VKFL150-CU-02-S-BL	Black RAL9001
VKFL100-CU-02-S-TC	VKFL150-CU-02-S-TC	Cotswold Stone
VKFL100-CU-02-S-BE	VKFL150-CU-02-S-BE	Terracotta
VKFL100-CU-02-S-DG	VKFL150-CU-02-S-DG	Dark Grey RAL7016



FORM Stainless Bullnose Cowl

FLUXO 100
VKFL100-CU-03-S-SS
FLUXO 150
VKFL150-CU-03-S-SS



SKYLINE High-Rise Grille
(install from inside)

FLUXO 100
VKFL100-CU-04-S-WH
FLUXO 150
VKFL150-CU-04-S-WH



SENTINEL Cast Iron Cowl

FLUXO 100
VKFL100-CU-05-S-BL
FLUXO 150
VKFL150-CU-05-S-BL

Change the **S** to **X** if you don't need to include the 3-speed control wall switch

Example: VKFL100-CU-01-**S**-WH

Change to: VKFL100-CU-01-**X**-WH



AUREN

Advance srMVHR

How AUREN Works

Like the FLUXO, the AUREN operates on a continuous cycle: extracting stale air for 70 seconds before reversing for 70 seconds to pull in fresh, filtered air. However, the AUREN acts as an intelligent filter for your environment. While the internal heat exchanger retains over 82% of your home's warmth, the advanced sound attenuation and ISO-graded filters (up to ePM10) act as a barrier, stripping out city noise and microscopic pollutants before they ever reach your lungs. You get the freshness of an open window with the security of a sealed room.

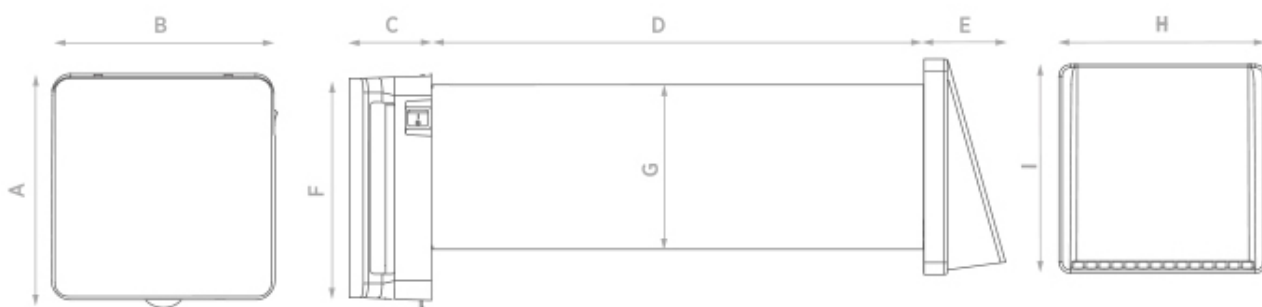


AUREN: Maximum protection. Minimum disruption.

If you love the efficiency of the FLUXO but need "next-level" performance for bedrooms or urban areas, the AUREN is the smarter choice.

- » **Effortless Install:** With a digital LCD remote control, there is no need to chase out walls for wiring or switches.
- » **Flexible Placement:** Unlike the FLUXO (up to 570mm), the AUREN ducts up to 3000mm (or 2500mm with a 90° bend), allowing for versatile installation.
- » **Whisper Technology:** Night Mode reduces noise to 4dB(A), ensuring fresh air never costs you a night's sleep.
- » **Superior Filtration:** Optional ISO 30/45/60 and ePM10 filters provide a higher level of protection against outdoor pollutants.
- » **Traffic Silence:** Enhanced sound attenuation options minimise road noise, keeping the "outside" out.

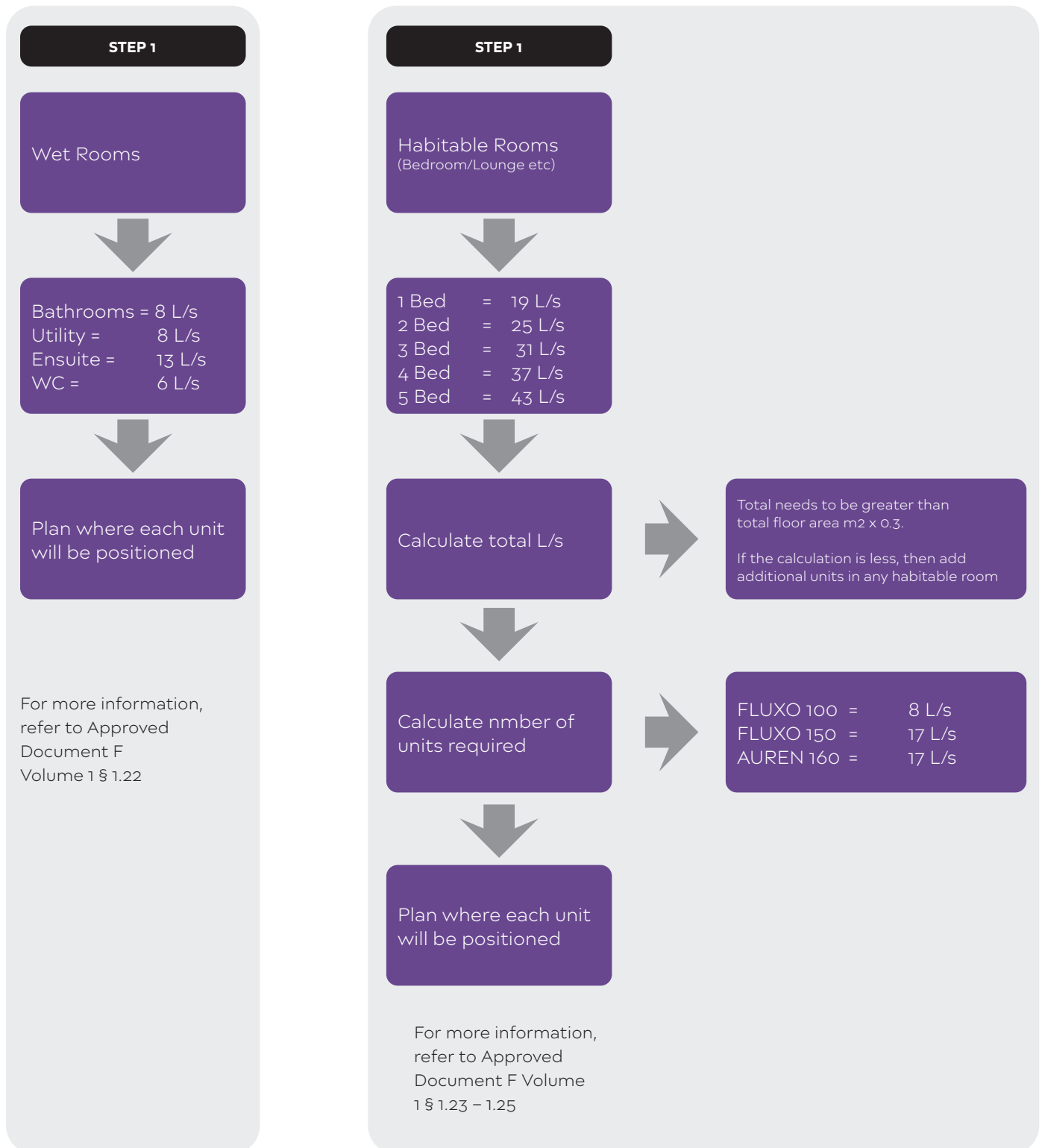
Airflow L/s	3 – 17 L/s
Power Consumption	3.9 – 6.7 W
Room Size	10.0 – 56.7m ²
Sound Pressure	4 – 29 dB(A)
Ambient Temperature	40°C max
Protection	IPX4
Marking	CE



A, B & F Internal Fascia	C Fan Projection	D Duct Length	E External Projection	G Duct Diameter	H & I External Cowl
220mm	80mm	500mm (suitable for up to 3000mm with straight run, or 2500mm with a single 90° bend)	80mm	160mmØ	210mm

Filtration	NDo Standard	ND1 HUS 46dB reduction)	ND3 WHISPER (48dB reduction)	
No additional filtration	VKAU160-AU-03-V-00	VKAU160-AU-03-V-WH-10	VKAU160-AU-03-V-WH-20	
ISO 30%	VKAU160-AU-03-V-WH-01	VKAU160-AU-03-V-WH-11	VKAU160-AU-03-V-WH-21	
ISO ePM10	VKAU160-AU-03-V-WH-04	VKAU160-AU-03-V-WH-14	VKAU160-AU-03-V-WH-24	

What Is Required To Meet Updated Part F Of Building Regulations?



- To be installed as high as practically possible but no more than 400mm down from the ceiling. The unit needs to be accessible to enable maintenance.
- Best practice is to install units in pairs to optimise the balance of air. This best practice is not required to meet Part F regulation.



VENTI

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