



**WHOLE HOME  
VENTILATION SYSTEMS**



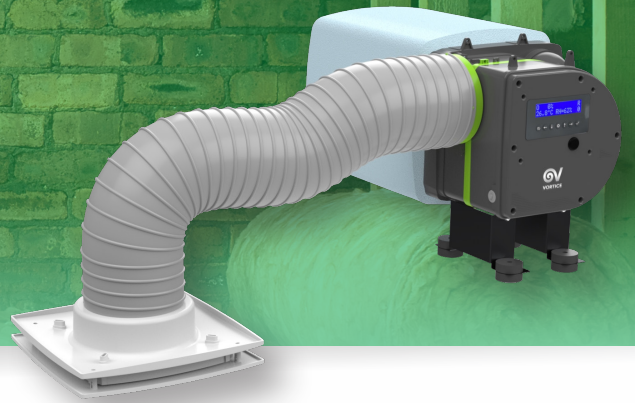


Vortice Limited is a part of a multinational group employing over 400 employees worldwide. Established in the UK since 1977, Vortice has over 100 years combined knowledge and service in combatting mould and condensation in social housing.



# VORT PIV LOFT

## POSITIVE INPUT VENTILATION SYSTEM



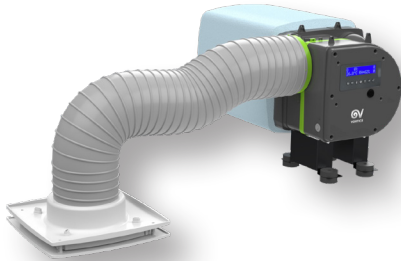
Introducing the Vort PIV Loft range of Positive Input Ventilation (PIV) Systems - your solution for ultra-quiet, energy efficient, and low maintenance whole home ventilation.

### FEATURES

- **Whole Home System:** Suitable for properties with loft spaces
- **Reliable:** Enjoy peace of mind with a 7 year warranty
- **Attractive Diffuser:** Seamlessly blending in with any ceiling
- **Energy Efficient:** Low energy motor with minimal power consumption
- **Low Maintenance:** G4 filter as standard
- **Controllability:** Commission the system for home and occupants
- **RF Version Available:** Wall mounted boost switch to encourage user interaction



# VORT PIV LOFT



## APPLICATION

- The Vort PIV Loft range of Positive Input Ventilation are cutting edge ventilation systems, designed to be installed in loft spaces with a central diffuser positioned in a hallway. PIV principle is a trusted method for ventilating homes, preventing and remedying condensation and mould related issues. PIV systems have become a staple in home ventilation.

## OPERATION

- The Vort PIV Loft functions by drawing external air into the system and through a high grade filter before being delivered into the home. Prior to passing through the integral filter, the incoming air experiences a temperature increase, leveraging the loft's typical 3°C higher temperature compared to the outside air, particularly in winter months. This energy gain significantly exceeds the energy consumption of the unit's motor. The tempered, filtered air is then distributed centrally throughout the home via the unit's outlet duct and ceiling diffuser. There is an optional electric heater available (code 20359).

## FEATURES AND BENEFITS

- **7 Year Warranty:** Enjoy peace of mind with a 7 year warranty, ensuring the longevity and reliability.
- **Attractive Diffuser:** The system features an appealing white supply air diffuser, seamlessly blending with any ceiling.
- **Energy Efficient Operation:** Equipped with a low-energy ultra-quiet fan/motor assembly, the system ensures optimal ventilation with minimal power consumption.
- **Data Logging as Standard:** The unit includes a run monitor that records the time power is supplied to the unit, offering valuable insights into its operational history.
- **Low Maintenance:** Benefits from a G4 grade filter, designed for low maintenance and efficient air filtration.
- **Highly Controllable:** Multi-functional controls providing a wide range of airflow and temperature options. Commission the system to suit the unique requirements of the home and its occupants.



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## FEATURES AND BENEFITS CONTINUED

- **Installer Lock Off Feature:** Prevent unwanted tampering with the system through the installer lock-off feature, ensuring system integrity.
- **RF Wireless Boost Option:** Improve ventilation and encourage user interaction with the easy to install, wall-mounted wireless boost switch.
- **Heater Option:** Enhance comfort during cold weather by retrofitting the optional heater, allowing you to customise the delivered air temperature for an improved living environment.
- **Automatic Heat Recovery Mode:** Experience enhanced home comfort and reduced heating costs with the automatic heat recovery mode, increasing airflow when the loft is warm.
- **Automatic Stand-by Mode:** During hot summer days, the system automatically enters standby mode to prevent unnecessary introduction of warm air, optimising energy efficiency.
- **Radon Settings Available**

## INSTALLATION

The Vort PIV Loft whole home systems improve indoor air quality and help resolve condensation and mould problems. The Vort PIV Loft is designed to be installed in homes with a loft space and can be suspended directly to the floor/joists. The product is supplied as standard with a suspension kit. Optional feet are available (see accessories section - bracket kit)

## TESTING AND CERTIFICATION

Units are tested to ensure accurate, up to date information on electrical safety, performance and noise level that can be relied upon. Designed and manufactured in accordance with EN60335-2-80 (Low Voltage Directive) and the EMC Directive (Electromagnetic Compatibility).

## PRODUCT RANGE AND CODES

PRODUCT	CODE
VORT PIV LOFT	10919
VORT PIV LOFT RF (WIRELESS BOOST OPTION)	10929

ACCESSORIES	CODE
FIXED BRACKET KIT	20695
ADJUSTABLE BRACKET KIT	20460
ELECTRIC HEATER 500 W	20359
VORT PIV LOFT G4 - F7 FILTER	20371



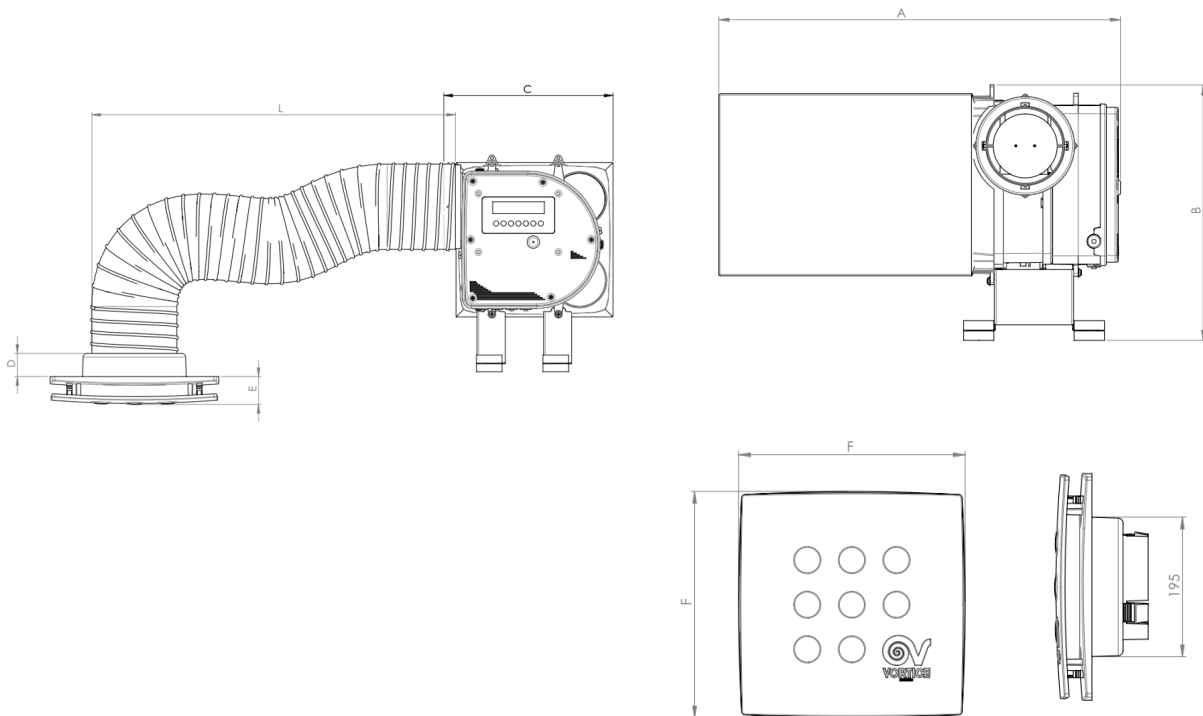
**RESIDENTIAL VENTILATION**  
WHOLE HOME VENTILATION SYSTEMS

**PERFORMANCE**

SETTING	NORMAL SPEED AIRFLOW (L/S) *	BOOST SPEED AIRFLOW (L/S)*	NORMAL SPEED AIRFLOW (M <sup>3</sup> /H)*	BOOST SPEED AIRFLOW (M <sup>3</sup> /H)*	ABSORBED POWER (W)
1	13	25	46.8	90	2.9
2	19	33	68.4	118.8	3.9
3	25	42	90	151.2	5.1
4	31	50	111.6	180	6.7
5	37	58	133.2	208.8	8.8
6	43	70	154.8	252	10.5
7	49	74	176.4	266.4	12.8

\* Normal speed values can be modified in 1/5 intervals

**DIMENSIONS**



PRODUCT	A	B	C	D	E	F	L	OPENING Ø	WEIGHT (KG)
VORT PIV LOFT	631	407	326	44	53	317	3000	200	6.3

Dimensions in mm



# VORT PIV WALL

POSITIVE INPUT  
VENTILATION SYSTEM SUITABLE  
FOR WALL MOUNTING



Introducing the Vort PIV Wall range of Positive Input Ventilation (PIV) Systems - your solution for ultra-quiet, energy efficient, and low maintenance whole home ventilation.

## FEATURES

- **Whole Home System:** Suitable for properties with or without loft spaces
- **Reliable:** Enjoy peace of mind with a 7 year warranty
- **Attractive Case Design:** Seamlessly blending in with any interior
- **Energy Efficient:** Low energy motor with minimal power consumption
- **Low Maintenance:** G4 filter as standard
- **Controllability:** Commission the system for home and occupants
- **RF Version Available:** Wall mounted boost switch to encourage user interaction



# VORT PIV WALL



## APPLICATION

- The Vort PIV Wall range of Positive Input Ventilation are cutting edge ventilation systems, designed to be installed in homes with or without loft spaces, for installation in hallways and ducted to outside. The PIV principle is a trusted method for ventilating homes, preventing and remedying condensation and mould related issues. PIV systems have become a staple in home ventilation.

## OPERATION

- The Vort PIV Wall system functions by drawing external air into the system and through a high grade filter before being delivered into the home. The Vort PIV Wall system is equipped with integral controls, allowing them to meet the specific requirements of each application. Automatic regulation of airflow from the unit to the home is facilitated through integral temperature control, maximising the energy efficiency of the system. This ensures a precise balance between performance and energy benefits, effectively managing moisture and pollutant levels within the home.

## FEATURES AND BENEFITS

- **7 Year Warranty:** Enjoy peace of mind with a 7 year warranty, ensuring the longevity and reliability of your Vort PIV Wall system.
- **Attractive Case Design:** A stylish soft finish with integrated supply grille for simplified installation.
- **Energy Efficient Operation:** Equipped with a low-energy ultra-quiet fan/motor assembly, the system ensures optimal ventilation with minimal power consumption.
- **Data Logging as Standard:** The unit includes a run monitor that records the time power is supplied to the unit, offering valuable insights into its operational history.
- **Automatic Stand-by Mode:** During hot summer days, the system automatically enters standby mode to prevent unnecessary introduction of warm air, optimizing energy efficiency.
- **Low Maintenance:** Benefit from a very large G3 grade filter, designed for low maintenance and efficient air filtration.

“After receiving a report of condensation and mould growth, I contacted Vortice who promptly arranged a survey and provided a written report which included a diagnosis and fully costed solution. Once approved, the work was completed within two weeks, I also received certification to confirm it complied with Building Regulations. I was delighted and so was the resident ”

**SOCIAL HOUSING PROVIDER**







## FEATURES AND BENEFITS CONTINUED

- **Highly Controllable:** Take control with integral, multi-functional controls providing a wide range of airflow and temperature options. Commission the system to suit the unique requirements of the home and its occupants.
- **Installer Lock Off Feature:** Prevent unwanted tampering with the system through the installer lock-off feature, ensuring system integrity.
- **RF Wireless Boost Option:** Improve ventilation and encourage user interaction with the easy to install, wall-mounted wireless boost switch.
- **Standard Integral Heater:** Enhance comfort during very cold weather with standard heater allowing you to customise the delivered air temperature.
- **Automatic Heat Recovery Mode:** Experience enhanced home comfort and reduced heating costs with the automatic heat recovery mode, increasing airflow when the external temperature is warm.
- **Radon Setting Available**

## INSTALLATION

The Vort PIV Wall whole home systems improve indoor air quality and help resolve condensation and mould problems. The Vort PIV Wall is designed to be installed in homes with or without loft spaces, for installation in hallways and ducted directly to outside.

## TESTING AND CERTIFICATION

Units are tested to ensure accurate, up to date information on electrical safety, performance and noise level that can be relied upon. Designed and manufactured in accordance with EN60335-2-80 (Low Voltage Directive) and the EMC Directive (Electromagnetic Compatibility).

## PRODUCT RANGE AND CODES

PRODUCT	CODE
VORT PIV WALL RH*	10942
VORT PIV WALL LH*	10943
VORT PIV WALL RH* RF**	10952
VORT PIV WALL LH RF**	10953

\* RH - right hand supply point

LH - left hand supply point

\*\* Wireless Boost Option

ACCESSORIES	CODE
VORT PIV WALL G4 FILTER	20383
VORT PIV WALL F7 FILTER	20373

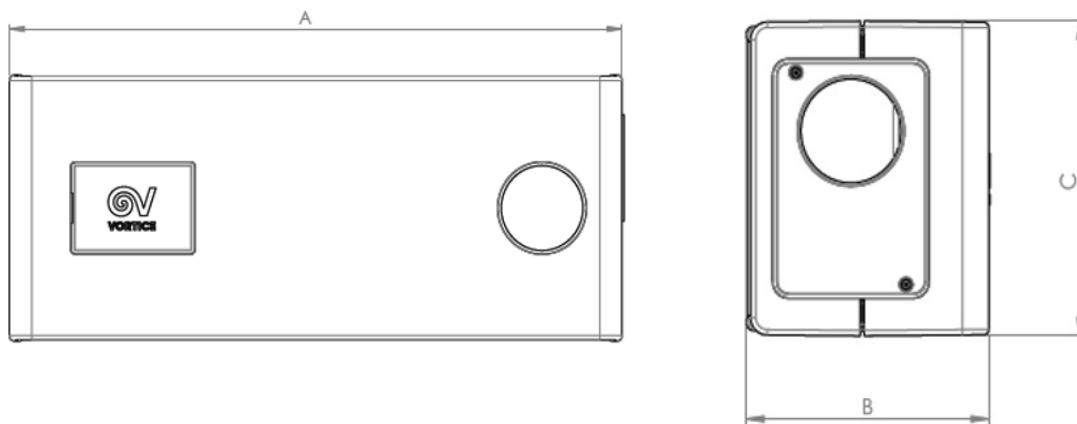


**PERFORMANCE**

SETTING	NORMAL SPEED AIRFLOW (L/S) (NOTE 3)	BOOST SPEED AIRFLOW (L/S)
1	13	19
2	19	25
3	25	31
4	31	36

Note 3 - Normal speed values can be modified in 1/s intervals

**DIMENSIONS**



PRODUCT	A	B	C	OPENING Ø	WEIGHT (KG)
VORT PIV W	690	229	290	100	4.5

Dimensions in mm



**Show us your worst Property!**

Vortice will happily take up the challenge to survey and resolve mould and condensation in your worst affected property.

Visit:

[vorticemouldsolutions.co.uk](http://vorticemouldsolutions.co.uk)



**Rapid Response!**

Vortice offer a quick call out time on any mould claims you may have. Don't wait and book a survey today !



**Require Training?**

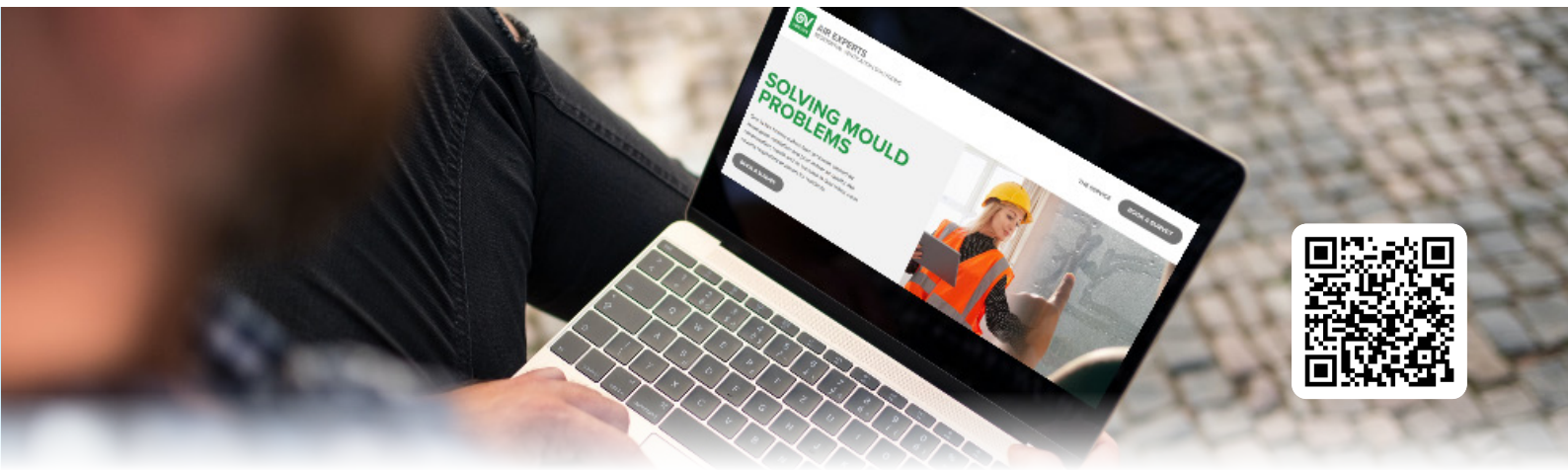
Does your team require training on its legal obligations with regards to ventilation and black mould?

Email:

[paul.harrington@vortice.ltd.uk](mailto:paul.harrington@vortice.ltd.uk)



## BOOK A SURVEY TODAY !



[www.vorticemouldsolutions.co.uk](http://www.vorticemouldsolutions.co.uk)

## CERTIFICATION AND ACCREDITATION

- All Vortice products are accredited to ISO 9001.
- Vortice confirm regulatory compliance by notifying Local Authority Building Control.
- Issue the housing provider with a building regulations compliance certificate as well as any electrical minor works certification.
- All products provided in accordance with latest electrical legislation UK/CA and CE marks.



## MEMBERSHIP

Vortice is a proud member of Property Care Association, Residential Ventilation Association, Contractors Health and Safety Assessment Scheme and Federation of Environmental Trade Associations.



Visit

[www.vorticemouldsolutions.co.uk](http://www.vorticemouldsolutions.co.uk)  
Tel: 01283 492949 - Email: [socialhousing@vortice.ltd.uk](mailto:socialhousing@vortice.ltd.uk)



## VORTICE GROUP

### VORTICE LIMITED

Beeches House  
Eastern Avenue  
Burton upon Trent  
DE13 0BB United Kingdom  
Tel. 01283 492949  
socialhousing@vortice.ltd.uk  
vorticemouldsolutions.co.uk

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June 2024

