



VORT PIV RANGE



Positive Input Ventilation systems to help eradicate mould and condensation in the home and provide whole house ventilation





VORTICE S.p.A. is part of a multinational group, **VORTICE GROUP**, which operates through its own companies or local distributors in over 90 countries worldwide and has a rich product portfolio that guarantees air quality and climate comfort. The headquarters of VORTICE S.p.A are in Tribiano (Milan).



VORTICE GROUP also includes:

[1]
VORTICE LIMITED, the UK subsidiary of VORTICE S.p.A., founded in 1977 with headquarters in Burton upon Trent.

[2]
VORTICE INDUSTRIAL, born from the acquisition in 2010 of Loran srl, based in Isola della Scala (VR).

[3]
VORTICE VENTILATION SYSTEM, a company inaugurated in 2013 with headquarters in Changzhou, China.

[4]
VORTICE LATAM S.A., based in Alajuela in Costa Rica, established in 2012.

[5]
CASALS VENTILACIÓN AIR INDUSTRIAL S.L., historic Spanish brand, based in Sant Joan de les Abadesses, Girona, acquired in 2019.



THE IMPORTANCE OF AIR

The quality of indoor air has never been as crucial for a healthy life and for the people's well-being as it is today. Air quality technologies represent essential solutions to reduce the risk of spread of pathogens such as viruses, bacteria and moulds, but also dust, mites, seasonal pollen and fine dust.

To improve air quality, it is essential to focus on air exchange in order to dilute pollutants and pathogens and ensure the health and safety of people in the environment.

Proper ventilation that ensures adequate air exchange makes it possible to breathe clean air at home, in the office or in any other enclosed space, which is essential for the health of those who live there.

WHY ARE OUR HOMES

POLLUTED?

We spend more than 90% of our time indoors and unless we take steps to ventilate our homes correctly, the quality of the air we breathe can be 50 times more polluted than outdoor air, with all the associated health risks. Why is that? We only need to contemplate the number of cleaning products, hair sprays, paints, air fresheners, new furniture and carpets that we bring into our home to realise what we're feeding our indoor air. The presence of condensation, mould and mites can also worsen skin allergies and respiratory conditions.

DID YOU KNOW THAT...

THE AVERAGE
PERSON
SPENDS UP
TO 90% OF
THEIR TIME
INDOORS?



THE AVERAGE
FAMILY CAN
PRODUCE UP
TO 24 PINTS OF
WATER IN JUST
24 HOURS?



WE ARE SEALING UP OUR HOMES!





WHY DOES MOULD

GROW?

One of the main issues people face is the presence of mould in their homes. This is a common occurrence and if not treated properly can cause health risks such as breathing issues and skin conditions.



5

MOULD IS A VERY SIMPLE FUNGUS. IF YOU DON'T WANT IT TO GROW...

STOP WATERING IT

DID YOU KNOW THAT...

**INDOOR &
OUTDOOR AIR
POLLUTION
CLAIMS UP TO
40,000 DEATHS
EACH YEAR IN
THE UK?**

(Royal College of
Physicians)



**INDOOR AIR
POLLUTION RELATED
TO DAMP AND
MOULD INCREASES
THE RISK OF
RESPIRATORY
DISEASE BY 50%?**

(World Health Organisation -
WHO)



**1 IN 5 HOMES
SUFFER
FROM MOULD
ISSUES?**



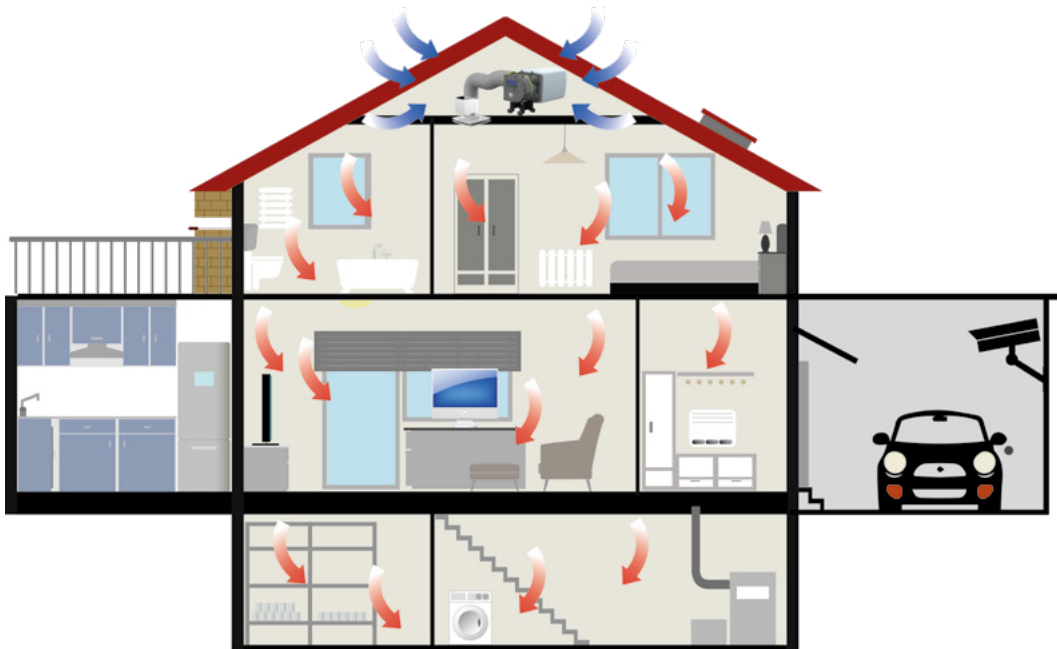
**ONE WAY TO
TREAT MOULD IS
TO DRY OUT THE
AIR?**



WHAT ARE THE BENEFITS OF

POSITIVE INPUT VENTILATION (PIV)

A Positive Input Ventilation system is designed to eradicate the issues of mould, condensation and mites. The loft unit continuously draws air through the loft's natural leakage and ventilation points from outside, which is then fed through a filter into the property via a central hallway diffuser.



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THE BENEFITS OF A PIV UNIT INCLUDE:



Healthy Indoor Living

When dust mites, volatile organic compounds and condensation are reduced, health can be improved with less chance of issues such as asthma, headaches and fatigue. Low moisture levels create a hostile environment for dust mites.



Continuous Fresh Air

The fresh air being brought into the property allows for a healthy building and living environment.



Controlling Condensation and Mould

Condensation and mould are controlled as moisture filled air is replaced by dry air coming into the property.



Saving Energy

Loft unit energy can save up to 10% of the space heating cost. Lofts are generally 3 degrees warmer than outside, so the loft is a great place to take fresh air from.



REDUCING THE

CARBON FOOTPRINT

VORTICE are always looking for the best environmental solutions and to reduce the carbon footprint of all their products.



**MADE USING
RECYCLABLE ARPRO
EPP MATERIAL
WHICH CAN BE
REUSED AS A
BICYCLE HELMET OR
CHILD'S CAR SEAT**



**ENVIRONMENTALLY
FRIENDLY
CORRUGATED
CARDBOARD
PACKAGING TO
SUPPORT THE NO
PLASTIC POLICY AT
VORTICE**



**SPARE PARTS EASILY
CHANGED AND
FEWER CALL OUTS
RESULTING IN LESS
FUEL FOR SITE
VISITS THEREFORE
REDUCING THE
CARBON FOOTPRINT**



RANGE OVERVIEW

Easy to read data logger



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Vort PIV Quadro (Loft Version)



Vort PIV W (Wall Version)



Energy efficient



Products with
air filtration system



Low noise



Control panel

- Positive Input Ventilation (PIV) systems in loft and wall mounted versions
- Introduces clean, filtered, fresh air with a low moisture content
- Data logger
- Air distribution system, reducing the requirement of a heater
- Easy to use control panel
- Lockable control functions
- RF versions complete with wireless boost switch
- Pre-set options
- Extremely flexible speed settings
- Environmentally friendly packaging
- Reduces radon
- Range of accessories available



BENEFITS FOR THE LANDLORD

01 Install options

- Wall version in stylish white finish for apartments, smaller dwellings or homes without a loft space.
- Loft versions suitable for houses with adequate loft space.

02 Ease of installation

- The Vort PIV Quadro (loft version) comes complete with fixings and anti-vibration mounts to allow ease of install over loft insulation via legs or can be suspended.
- The Vort PIV W (wall version) is lightweight and easy to fit by one installer.
- The filters can be changed easily without tools, dismantling the unit, or disturbing the ductwork.

03 Parts availability

- Parts and spares available for products and a 7 year warranty and guarantee.
- Excellent customer service and after care support.

04 Control options

- Easy to use display.
- Data logger with lockable control functions, ensuring the unit cannot be tampered with.

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05 Ease of use

- The control has pre-set modes to allow quick and easy set up with desired adjustments available. The RF version includes a wireless boost switch.

06 Low maintenance

- Reliable product, reduce time required on site rectifying complaints.



BENEFITS FOR THE OCCUPANT

01

Comfortable environment

- VORTICE have introduced an air distribution box accessory, distributing the air evenly into the home reducing the requirement for a heater.

02

Seasonal controls

- The units are equipped with seasonal settings which allows the heater to be used to increase the temperature of the air introduced to the property. The summer setting allows the unit to shut off when external temperatures exceed a certain level to stop hot air being fed back into the home.

03

Stabilising the humidity

- The unit stabilises the humidity in the home and reduces condensation and mould growth, ensuring a healthy and comfortable indoor air quality.

04

A healthy home

- By reducing the condensation, mould and mites, it ensures the occupants are breathing in healthy indoor air, therefore reducing the risk of asthma and other illnesses.

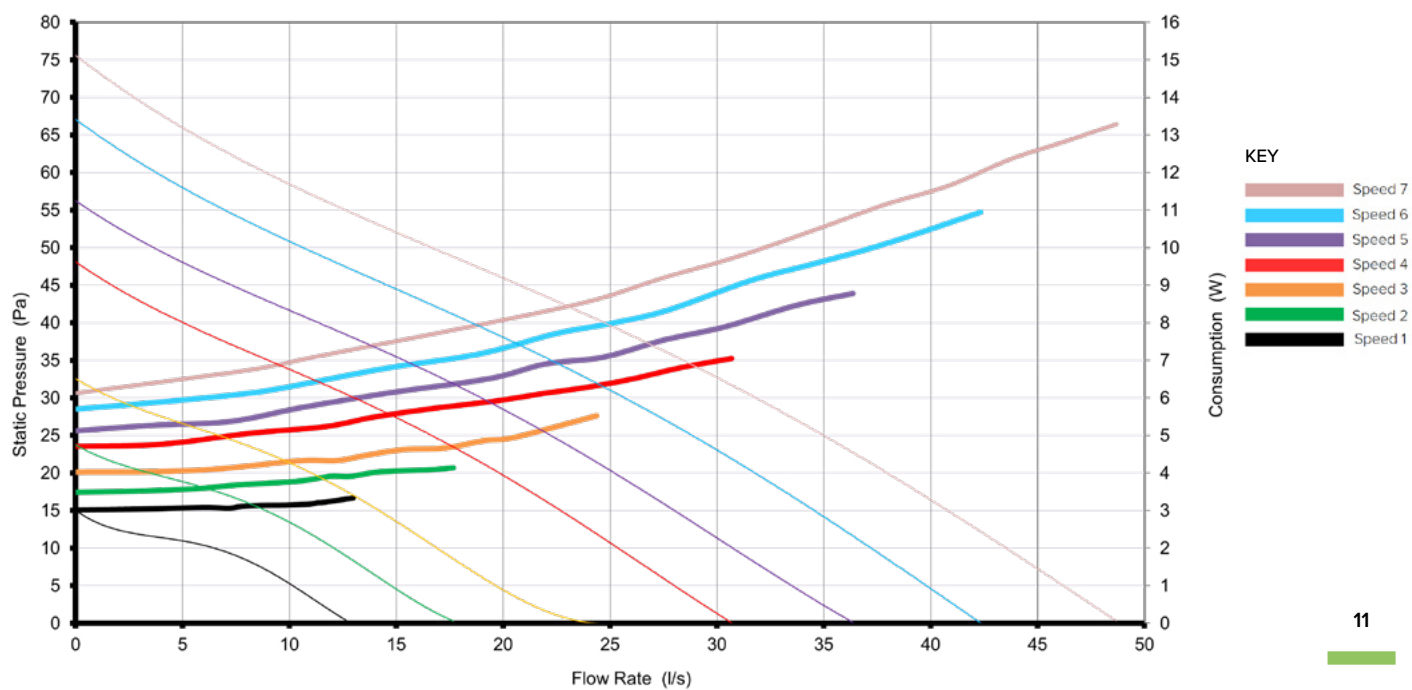




Performance and Absorption

VORT PIV QUADRO

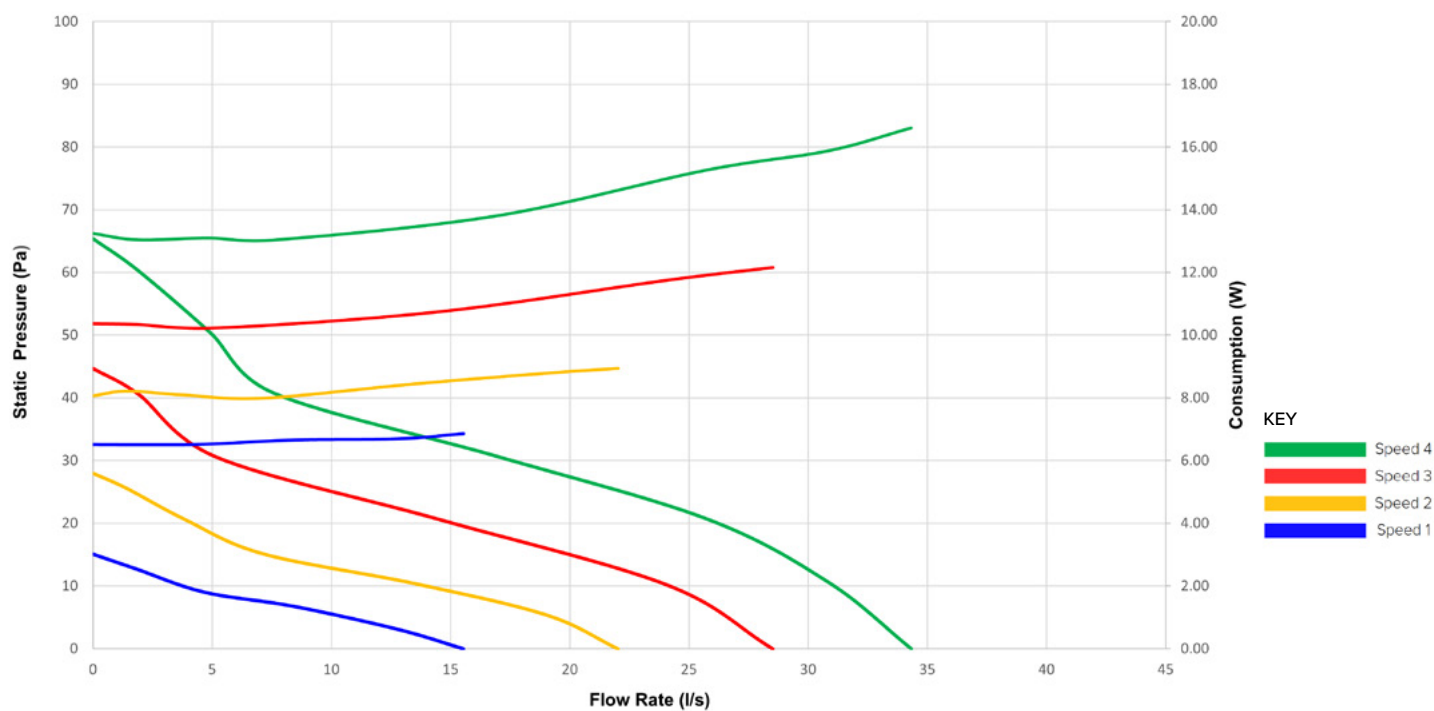
NORMAL SPEED PERFORMANCE CURVES V1 TO V7 (STATIC PRESSURE/FLOW RATE/CONSUMPTION)



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VORT PIV W

NORMAL SPEED PERFORMANCE CURVES V1 TO V4 (STATIC PRESSURE/FLOW RATE/CONSUMPTION)



VORT PIV RANGE

POSITIVE INPUT VENTILATION TO HELP ERADICATE MOULD IN THE HOME

Technical Data

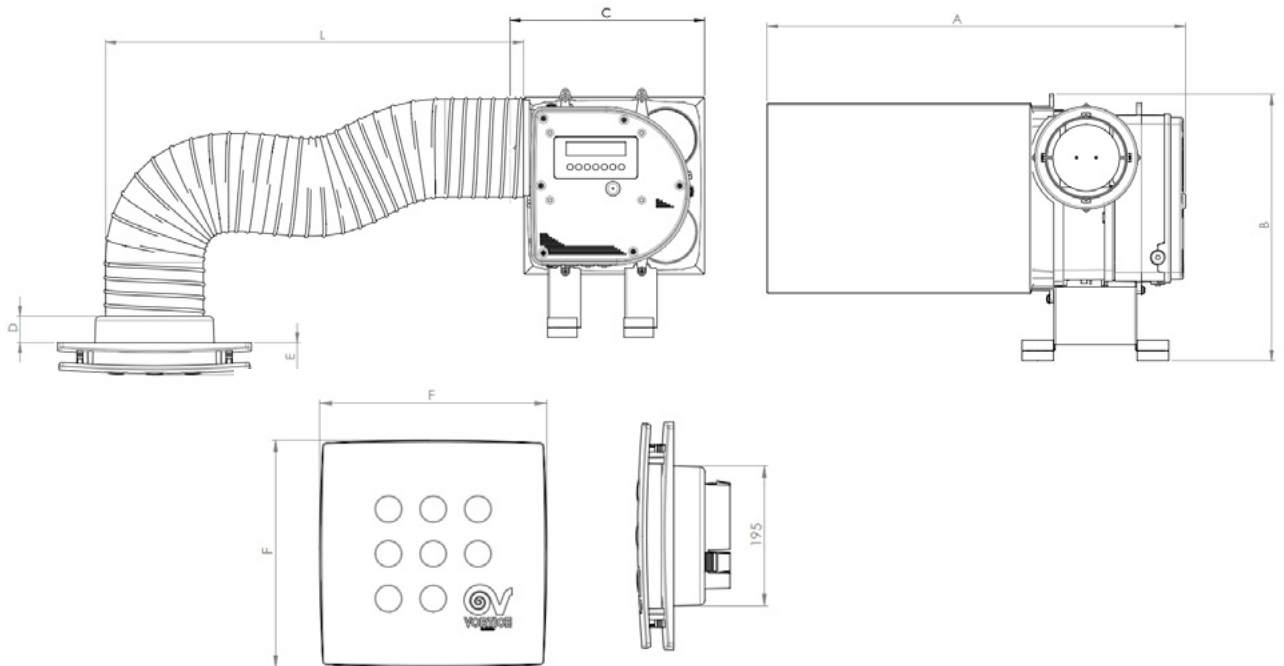
PRODUCT	CODE	V~50/60Hz	W max	A max	MIN l/s min max	BOOST l/s min max	Lp dB (A) 3m min	No OF SPEED SETTINGS	°C max	WEIGHT Kg
VORT PIV QUADRO	10919	220-240	13*	0.25	13	25	11.1	7	50	6.3
VORT PIV QUADRO RF	10929				49	74				
VORT PIV W RH	10942	220-240	16**	2.4	13	19	19.6	4	50	4.5
VORT PIV W LH	10943				31	36				
VORT PIV W RH RF	10952									
VORT PIV W LH RF	10953									

* @normal speed

** @normal speed heater off

Dimensions

VORT PIV QUADRO

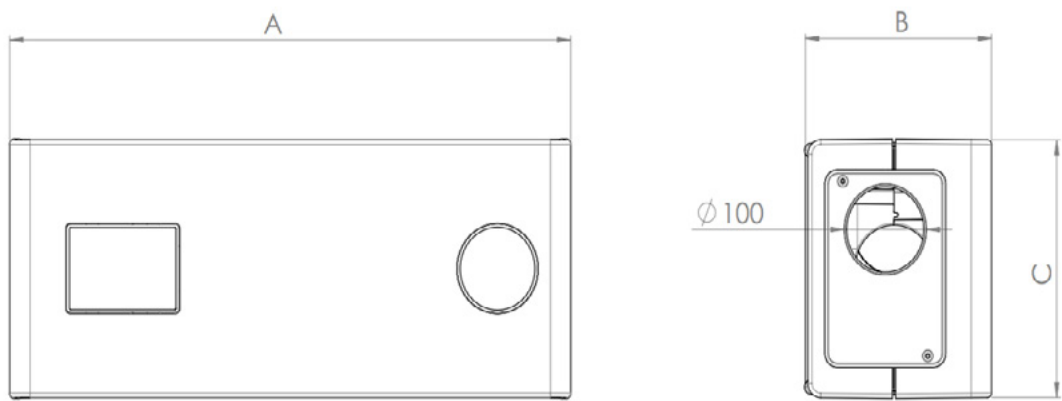


PRODUCT	A	B	C	D	E	F	L	OPENING Ø
VORT PIV QUADRO	631	407	326	44	53	317	3000	200

Dimensions in mm

Dimensions

VORT PIV QUADRO



Dimensions in mm













PRODUCT	A	B	C	OPENING Ø
VORT PIV W	690	229	290	100



VORT PIV RANGE


POSITIVE INPUT VENTILATION TO HELP ERADICATE MOULD IN THE HOME

Vort PIV Quadro Accessories







	DESCRIPTION	CODE
	AIR DISTRIBUTION BOX 6X80, 1X125 Air distribution box to branch off ducting to the room grilles Includes 1x125dia + 2x80dia blanking caps	22343
	160-125MMØ REDUCER Reducer to connect the 160mmØ duct to the 125mmØ duct (46196)	20504
	150-125MMØ REDUCER Reducer to connect the air diffuser to the 125mmØ flexible duct (26947)	46313
	125MMØ X 350MM LENGTH - PLASTIC DUCT To connect the Vort Quadro PIV to air distribution box	46196
	125MMØ X 5M LENGTH - ALUMINIUM FLEXIBLE DUCT To connect the 125mmØ port of air distribution box to central air diffuser	26947
	80MMØ X 10M LENGTH - ALUMINIUM FLEXIBLE DUCT To connect the 80mmØ port of air distribution box to 80mmØ room duct valves	46531
	WORM DRIVE CLIPS 170mmØ clips to secure ducting	26792
	80MMØ WHITE METAL DUCT VALVE Duct valve for rooms	20503
	VORT PIV QUADRO ELECTRIC HEATER 500W Optional heater to increase air temperature	20359
	VORT PIV QUADRO ADJUSTABLE BRACKETS KIT Kit to adjust the installation height of the Vort PIV Quadro unit	20460
	VORT PIV QUADRO G4 - F7 FILTER Filters to suit the Vort PIV Quadro	20371
	VORT PIV QUADRO NOX FILTER To filtrate particles in the home	20476



Vort PIV Quadro Accessories

	DESCRIPTION	CODE
	BLANKING CAPS Blanking caps for air distribution box (22343)	22606

Vort PIV W Accessories

	DESCRIPTION	CODE
	100MMØ X 350MM LENGTH - PLASTIC DUCT To connect to the Vort PIV W	46182
	100MMØ X 1M LENGTH - PLASTIC DUCT To connect to the Vort PIV W	46184
	100MMØ ROUND PLASTIC CONNECTOR To connect the Vort PIV W to the 100mmØ duct	46498
	100MMØ WHITE FIXED GRILLE External fixed grille to connect to outside wall	46040
	VORT PIV W G4 FILTER Filters to suit the Vort PIV W	20383
	VORT PIV W F7 FILTER Filters to suit the Vort PIV W	20373

VORTICE GROUP COMPANIES

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