



Vent-Axia[®]

The UK's Leading Ventilation Company

Positive Input Ventilation

Edition 1

www.vent-axia.com/positive-input-ventilation



A close-up photograph of two men in a professional setting. The man on the left, with short blonde hair, is wearing a blue and white checkered shirt and is looking down at a notepad. The man on the right, with dark skin, is wearing a grey sweater over a white collared shirt and a patterned jacket with a white fur lining. He is smiling and looking towards the camera. The man on the left is holding a blue pen and writing on the notepad. The background is a plain, light-colored wall.

We're here to help...

Vent-Axia®

Positive Input Ventilation

Solutions designed especially
for Social Housing



Up to
7
yr
WARRANTY



Mould is a simple plant; if you want to kill it, stop watering it. If mould has already formed, painting over it will not solve the problem. Ventilation is mould's biggest enemy as it removes the root cause: the moisture in the air. Where mould is present in bedrooms or other living rooms, PoziDry Pro™ or PoziDry Compact Pro will provide the answer.

Discrete

Tamper
Proof

Low
Maintenance

Ultra
Quiet



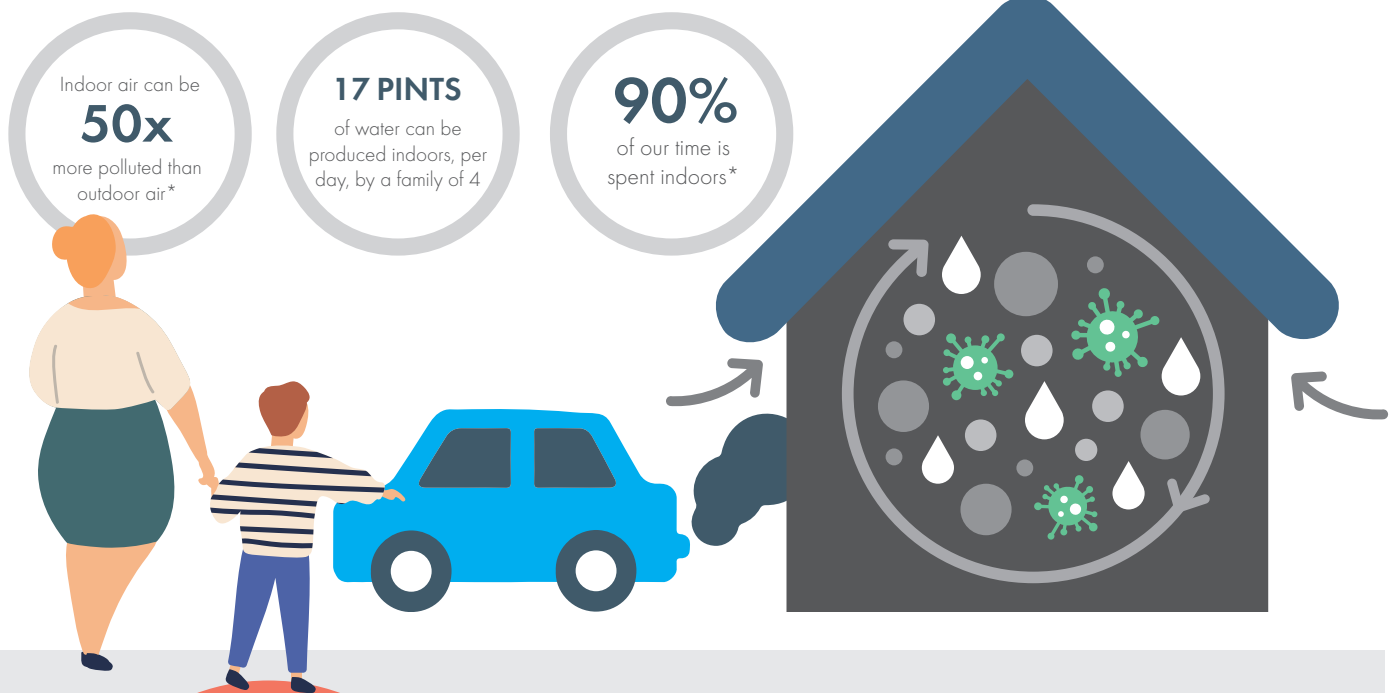
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Unhealthy Homes

Pollutants such as moisture in the air, chemicals from household cleaners, mould spores and dust mite faeces can all lead to conditions not fit for human habitation.

Why are homes polluted?

Under the Decent Homes Standard we have fitted double glazed windows, cavity wall and loft insulation and fitted insulating doors to many homes around the UK. However, these energy efficiency measures have sealed our homes and reduced the amount of air that can escape; causing moisture, mould and other indoor air pollution to increase.



MOULD

will grow on the internal surfaces of buildings when Relative Humidity at the surface exceeds 80% for 6 > hours per day.

New Horizons Project DO3 - Technical Report ODPM

Duty of Care

The introduction of the Homes (Fitness for Human Habitation) Act 2018 means that landlords now have an increasing responsibility for the conditions in which their residents live. Occurrences of damp and mould are specifically called up in the bill as being conditions unsuitable for human habitation, with the onus on the landlord to rectify the issue.

* Source - www.myhealthmyhome.com

Healthy Homes

PIV units can provide a whole house solution to indoor air pollutants and make a home habitable again.



How does PIV work?

Positive Input Ventilation (PIV) is an energy efficient method of pushing out and replacing stale unhealthy air with clean drier air, by gently introducing filtered air into the home and increasing the circulation of air around the property. By removing the moisture and other pollutants from the air, mould cannot grow which removes the problem at source.



A solution for all types of properties

PIV units are usually situated in a loft or on a wall. Our PoziDry range offers both solutions whether you are dealing with a house or a flat. To keep things simple, we have used the same commissioning and controls platform so that whether you are solving a problem for a house or flat, commissioning is common and easy.



Condensation and mould are controlled as moisture laden air is replaced by drier air. This protects the property from harmful condensation and mould.



Inbound air is filtered improving the indoor air quality. The optional F7 filter will remove almost all pollen from the air and help reduce diesel particulates.

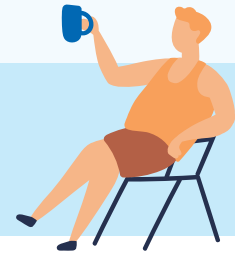


Volatile organic compounds (VOCs), dust mites and other indoor air pollutants are reduced, giving your residents a healthier indoor environment.



Designed for resident satisfaction

PoziDry Pro™ gives installers precise control over airflow.



You want a whole house ventilation solution to condensation and mould that leaves the resident happy. However, we've found there are some common complaints from residents after a PIV is installed:



Cold
Draughts



Noise
Levels



Running
Costs



We understand that **COMPLAINTS** consume time and energy better spent on other things that make a difference.

The PoziDry Pro™ can help solve condensation and mould issues, without the complaints.

Cold Draughts

Every resident and home is different. Therefore fine control of the air velocity and heater temperature are essential to eliminate cold draughts. SmartSense™ technology allows for 1l/s or 1°C adjustments to ensure resident thermal comfort.

Noise Levels

Introducing any mechanical system into a home will always create a noise; however some units are louder than others. Anti-vibration legs and mounting options along with smart flow diffuser technology allow for an ultra quiet installation.

Running Costs

Residents at risk of fuel poverty need to know that the positive input ventilation system isn't going to cause problems with their energy bills. With an ultra low power consumption motor, the PoziDry Pro™ can service a 3 bed house for as little as £5 per annum.

All this means..
FEWER
complaints &
greater resident
acceptability



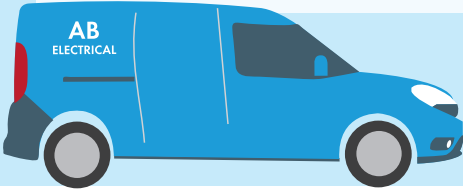
◀ The PoziDry Pro's unique leg design allows for anti-vibration mounting.

The PoziDry Compact Pro's ▶ innovative internal foam casing allows for anti-vibration mounting.



Ease of Install

The PoziDry Pro™ range provides solutions suitable for dwellings with or without loft space.



It is not always possible to find room for a new ventilation system in an already busy home. This can lead to installations being put into awkward spots where the residents will be most affected by the aesthetics or noise from a product.

That is why our PIV systems are flexible and small to ensure the best installation every time.

✓ Loft Mounted

The easy grip handle on the PoziDry Pro™ allows for safe installation, allowing 3 points of contact on the ladder.

The unit can be hung or mounted on the fully adjustable, anti vibration feet to find the perfect loft location.



✓ Wall Mounted

The PoziDry Compact Pro is the smallest on the market, meaning you can always find space for it even in the smallest of apartments.

The foam back plate is less than 100g meaning there is no longer a need to lift a heavy metal box above head height to mark drilling holes.

With 2 inlet and 2 outlet positions, the PoziDry Compact Pro can be installed in 16 orientations, giving you the ultimate installation flexibility.



W393mm x H206mm
x D206mm

SMALLEST
PIV unit on the
market

16
Possible
Orientations

100g
Lightweight
Backplate



Landlord Support

Resolve condensation and mould issues for good and future proof your housing stock.



You need to know that your property is being looked after. Ventilation can protect your assets from condensation and mould, but only if it is operating as intended and installed properly.

The challenges we know you face

Positive Input
Ventilation is a very
successful solution, but these
common issues can
leave landlords

FRUSTRATED



Cost to Residents

Concerns over energy bills can lead to complaints, with little evidence to back up the manufacturers claims, how can landlords re-assure their residents?



Tampering

If a resident switches the product off or turns it down, the condensation may return. This could leave you frustrated and without a plan of action. How can landlords ensure their solutions are being followed through?



Correct Installation

A good ventilation system is only as good as its installation. How can landlords be sure that their system is installed correctly and tackling the problem?

Unrivalled Support Beyond Purchase

The PoziDry family
comes with in-built security
features and can be
installed by our approved
installers to guarantee

**PEACE OF
MIND**



Datalogger

Identify whether the system is being used with the days run logger or communicate with residents over accurately measured running costs with the SmartSense™ controls platform.



Tamper Proof

Residents can interfere with the unit and reduce airflow, allowing mould to return. The PoziDry range allows you to set a customised 3 digit PIN at installation to prevent changes to the settings and confusion when the mould returns.

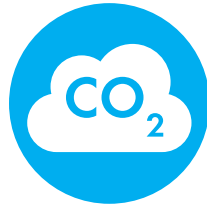


Supply and Fit

A good PIV unit poorly fitted will cause a problem, a poor PIV unit well fitted won't do anything. We can take care of everything for you. Installation is important, many issues can arise from unexpected places. Let us install for you and get a 30 day money back guarantee and a 7 year warranty.

Helping the Environment

By reducing your carbon footprint.



Low Power Consumption

Did you know that 1W can make a huge difference over the lifetime of a product? 1W running for 35 years means approximately 85kg CO₂ emitted into the atmosphere. That is why we strive to use the lowest power consumption possible motor technology to play our part.



Made in Britain

We design, develop and manufacture our fans in the UK. We have reduced transport related carbon emissions by up to 15 Tonnes per year and invested in UK skilled jobs, increasing our local workforce and providing a boost to the local job market.



Longevity of Spares

Vent-Axia has long been recognised as setting a gold standard for the availability of spares and support for obsolete product ranges. For example the Standard Range was launched over 60 years ago and we still supply components and spares.

Replaceable Cartridge



With a 7 year guarantee, repairs and replacement on your wall mounted PIV units will be one less headache. However, you can rest assured that with the replaceable cartridge system, and recyclable ABS construction, you are making the environmentally friendly choice.



▲▼ The PoziDry Compact Pro has an easy to replace cartridge reducing waste and disruption of re-install.



Only replacing the inner cartridge means less plastic waste and less fuel for shipping, ultimately lowering the carbon footprint of the installation.



What this also means is that the duct work, wiring and mounting are not disturbed during re-installation meaning that the decorative condition of the home is left untouched.



All our PIV fans are made with recyclable ABS plastic.



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PoziDry™ Pro

Ensure resident satisfaction and reduce the need to re-visit the property.



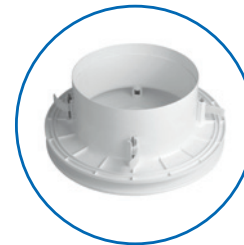
Easy Filter Replacement

The product's unique filter choices make improving indoor air quality easy. Choose from G4 or F7 filter options providing filtration down to PM2.5, which includes diesel particulates. Push fit connections make filter attachment easy during servicing.



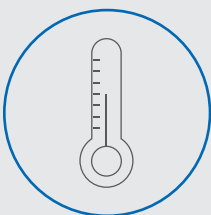
Anti-vibration Legs

To make PoziDry Pro™ whisper quiet throughout its operational life, a UK made ball bearing motor with dual anti-vibration mounts is fitted. The purpose designed acoustic legs dissipate any vibration, guaranteeing silent operation.



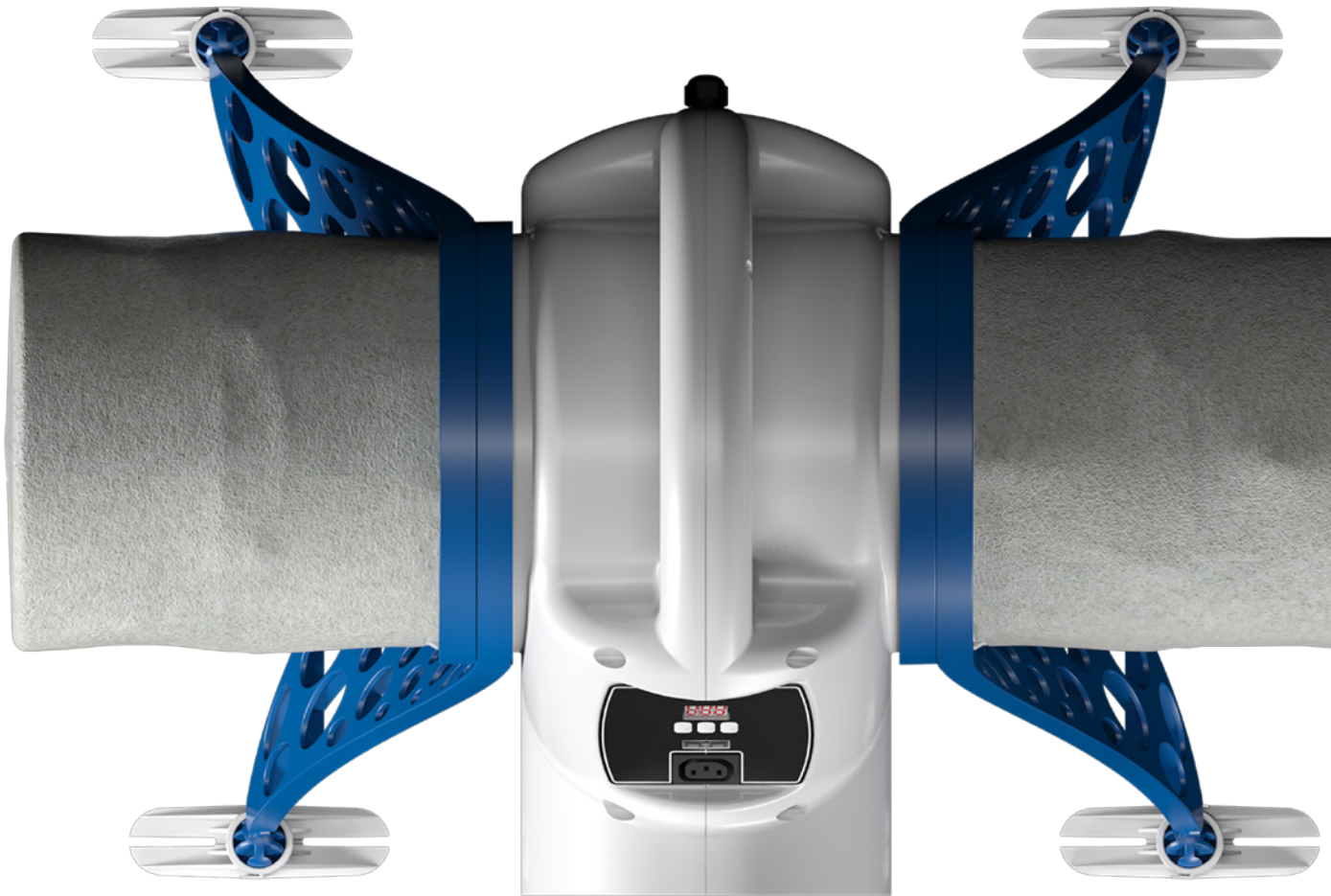
Discreet Diffuser

The discreet circular diffuser is easily fitted and maintained. Its low profile and aesthetically pleasing design has been developed with resident acceptability in mind.



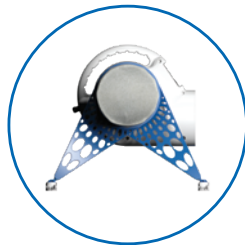
Ultimate Thermal Comfort

The PoziDry Pro™ allows full adjustment of both the air velocity and temperature in 1l/s or 1°C increments. It also has adjustable boost temperatures to reduce the risk of filling the home with cooler air, especially when the resident has the thermostat up high. Also, for those who like it warm, the PoziDry Pro™ has an adjustable summertime cut-off temperature to allow the unit to continue running even at high temperatures.



Unit Size

With its body measuring only 447 x 364mm PoziDry Pro™ will easily fit through standard loft hatches. The compact size makes it easy to store and transport and means it is versatile to fit.



Easy Handling

The easy grip handle moulded into the main body makes transporting the PoziDry Pro™ into the loft simple. The ability to carry the unit with one hand allows you to retain 3 points of contact on the ladder and stay safe.



Energy Efficient Heater

The flexible heater option allows the heater to be located at either unit or diffuser level. Locating the heater at diffuser level can save up to 4°C of heat loss.



Up to 7 Years Warranty

With a high performance, long life motor and precision engineered components, the PoziDry Pro™ delivers maximum air performance with minimum wear and tear. This gives us the absolute confidence to guarantee it for up to 7 years.



PoziDry Compact Pro

The smallest PIV unit on the market



Replaceable Cartridge

With all the critical components located on one central and easy to replace cartridge, repairs and replacement is easy. Simply unplug and remove the central cartridge, leaving the ductwork and back plate intact.



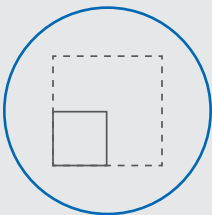
Foam Construction

Metal PIV units can pool with condensation and vibrate noisily. With an insulated foam body construction, the PoziDry Compact Pro is condensation resistant and dampens noisy vibrations providing an ultra quiet operation.



Easily Replaced Filters

The product's unique filter choices make improving indoor air quality easy. Choose from G4 or F7 filter options providing filtration down to PM2.5 which includes diesel particulates. Push fit connections make filter attachment easy during servicing.



Small and Compact

We understand that finding a place to install a PIV system in a small property without a loft space can be challenging. The PoziDry Compact Pro is a small, shoebox sized unit that can be installed almost anywhere, even boxed in entirely along with the ductwork, to provide a discreet and unobtrusive solution.





Flexible Configurations

The unit has 2 options for inlet and outlet positions. This combined with the ability to be installed horizontally, vertically or even upside down gives you complete freedom over your installation location.



Discreet ABS Cover

The discreet cover combines simple geometry with a subtle matte finish to blend in with the room and minimise the impact on the resident's home.



In-built Adjustable Grille

The unit comes with 2 blanking plates and 1 grille with adjustable airflow direction to always point the air in the best direction so that residents don't experience cold draughts.



Up to 7 Years Warranty

With a high performance, long life, 12 pole motor and precision engineered components, the PoziDry Compact Pro delivers maximum air performance with minimum wear and tear. This gives us the absolute confidence to guarantee it for up to 7 years.



A middle-aged man with short, light-colored hair is smiling warmly at the camera. He is wearing a dark blue, short-sleeved button-down shirt and blue jeans. A tan leather tool belt is worn around his waist, featuring a yellow measuring tape, a hammer, and a pair of tan work gloves. He is leaning against the side of a silver car, with his arms crossed. The background shows a red brick wall and a blue door.

We're here to help...

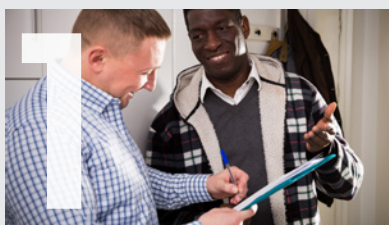
A Wide Range of Solutions

More than just an innovative ventilation manufacturer



Survey

Our experienced consultants can visit your site and provide impartial expert advice on condensation and mould complaints and issues you may be experiencing at the property, which will help determine if ventilation could be a solution to the problem. This includes detailed reports outlining recommendations within 48 hours.



Products

Designed with residents in mind, our social housing product solutions are powerful enough to remove moist air to help eradicate condensation & mould and at the same time quiet enough not to disturb while remaining energy efficient.



Installation

Getting it right the first time isn't always easy. We provide an end-to-end solution and can install the right product to combat the problem, offering peace of mind, ensuring a happy resident and protecting the property over the long term.



Support

Our expert ventilation consultants are always on-hand to assist with queries, offer their expert opinions, or even assist installers on trials of new ventilation products. Backed up by a knowledgeable and friendly technical support department, you can rest assured that Vent-Axia will always offer first class support.

Vent-Axia



Training

The ventilation industry is constantly changing and evolving. So are our customer's challenges and that is why we are on hand to offer practical, engaging and informative training. From CPD courses on mould and condensation to hands-on toolbox talks on installation, we can help you to stay ahead of the knowledge curve.



Downloads

Vent-Axia has simplified the way you can access information. Knowledge Hub provides you with our literature and comprehensive product information all in one place, at the touch of a button. Watch our video now to find out more.

www.vent-axia.com/knowledge-hub



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PoziDry Pro™ Technical Specification

Models



PoziDry Pro™ with G4 filter, 2m of flexi duct and a Ø200mm Smart Airflow™ discreet diffuser †

Positive input ventilation for whole house mould and condensation control. Smart Sense™ control allows quick and accurate set up. Variable speed control allows the unit to be effective in a property up to 150m². Automatic summer shut off stops warm air coming back into the property. Wireless control ready.

Stock Ref
476310



PoziDry Pro™ with Heater, G4 filter, 2m of flexi duct and a Ø200mm Smart Airflow™ discreet diffuser †

Positive input ventilation with heater for whole house mould and condensation control. Smart Sense™ control allows quick and accurate set up. Variable speed control allows the unit to be effective in a property up to 150m². Automatic summer shut off stops warm air coming back into the property. Flexible heater mounting options. Wireless control ready.

Stock Ref
476311



PoziDry Pro™ FD with Heater, G4 filter, 2m of flexi duct & Ø200mm Fire rated diffuser (Multi-storey Compliant) † and ††

Positive input ventilation with heater and fire damper for whole house mould and condensation control. Smart Sense™ control allows quick and accurate set up. Variable speed control allows the unit to be effective in a property up to 150m². Automatic summer shut off stops warm air coming back into the property. Flexible heater mounting options. Fire Damper model supplied with relay to fire alarm cut off and intumescent fire protective ducting. Wireless control ready.

Stock Ref
476312

Accessories

Twin Spigot Kit

Kit allows for a second diffuser to be fitted offering multi-room ventilation.

Stock Ref
449071

Includes:

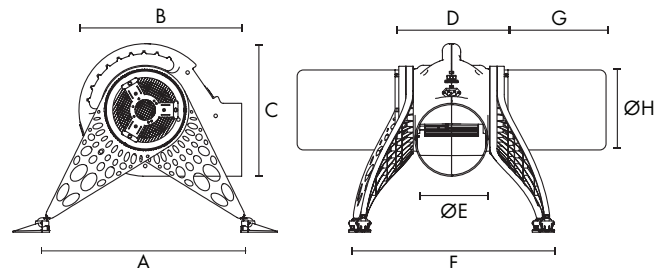
- 1 x 436592 (Ø200mm 6m Duct)
- 2 x 561707 (Worm Clips)
- 1 x 452085 (Ø200mm equal Y Piece)
- 1 x 478228 (Diffuser)

F7 Filter Set

F7 filters offer additional filtration removing harmful particulates down to PM2.5

Stock Ref
476401

Dimensions (mm)



| A* | B | C | D | ØE | F** | G | ØH |
|---------|-----|-----|-----|-----|---------|-----|-----|
| 300-650 | 447 | 364 | 310 | 200 | 400-600 | 300 | 220 |

*Variable to allow for adapting product height. **Variable to adapt to differing joist widths. Height will vary as A dimension changes

Performance Guide

| Bedroom | Extract Performance (l/s) - FID | | Power (W) | |
|------------|---------------------------------|--------|-----------|--------|
| | Trickle | Normal | Trickle | Normal |
| 1 | 13 | 25 | 2.2 | 3.6 |
| 2 | 17 | 31 | 2.6 | 4.8 |
| 3 | 21 | 38 | 3.2 | 5.5 |
| 4 | 25 | 44 | 3.6 | 7.5 |
| 5 | 29 | 50 | 4.3 | 11.5 |
| Adjustable | 10-60 | 10-60 | Up to | 14.5 |

† Comes with 5 year guarantee †† Please note: PoziDry Pro™ FD model does not include a Smart Air™ technology diffuser

PoziDry Compact Pro Technical Specification

Model



With integral heater

Positive input ventilation with heater for whole house mould and condensation control. Smart Sense™ control allows quick and accurate set up. Variable speed control allows the unit to be effective in apartments with up to 4 bedrooms. Foam construction for minimum noise levels and removable cartridge for quick and environmentally friendly repairs and replacement.

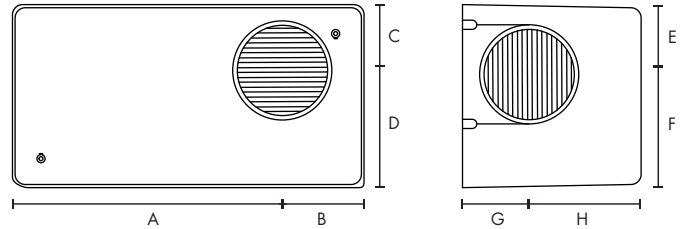
Stock Ref

479188

Accessories

| Model | Stock Ref |
|--------------------------------------|---------------|
| ABS Spare Cover | 479843 |
| Spare Boxing Cover | 479849 |
| Spare Boxing Cover with Grille right | 479850 |
| Spare Boxing Cover with Grille left | 479851 |
| Boxing 200mmx200mm 2m | 479852 |
| Boxing End Stop | 479853 |
| Boxing End Stop with Grille | 479854 |
| Boxing Inner Bend | 479855 |
| Boxing Outer Bend | 479856 |
| Silencer kit | 479857 |
| Acoustic flexi duct | 443273 |
| Spare Scroll cartridge | 479859 |
| Spare PM10 filter | 479860 |
| Spare PM2.5 filter | 479861 |

Dimensions (mm)



| A | B | C | D | E | F | G | H | Spigot Ø | Unit Weight |
|-----|----|----|-----|----|-----|----|-----|-------------|----------------|
| 302 | 91 | 74 | 132 | 79 | 127 | 75 | 125 | 100 | 6kg |

Performance Guide

| Speed | FID (l/s) | Power (W) | No. Bedrooms | Breakout dB(A) @ 3m |
|-------|-----------|-----------|--------------|---------------------|
| 1 | 13 | 4.0 | 1 | 11.6 |
| 2 | 17 | 8.3 | 2 | 18.9 |
| 3 | 21 | 12.5 | 3 | 25.4 |
| 4 | 25 | 18.3 | 4 | 29.7 |





By Appointment to H.M. The Queen
Suppliers of Unit Ventilation Equipment
Vent-Axia, Crawley, West Sussex

Vent-Axia®

VENT-AXIA CONTACT NUMBERS

Free technical, installation and sales advice is available

| | |
|-------------------|--|
| Sales Tel: | 0844 856 0590 |
| Sales Fax: | 01293 565169 |
| Tech Support Tel: | 0344 856 0594 |
| Tech Support Fax: | 01293 532814 |
| Web: | www.vent-axia.com/social-housing |
| Email: | sales@vent-axia.com |

Supply & Service

All sales made by Vent-Axia Limited are made only upon the terms of the Company's Conditions of Sale, a copy of which may be obtained on request. As part of the policy of continuous product improvement Vent-Axia reserves the right to alter specifications without notice.



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