

# Lo-Carbon PoziDry Pro™

- Anti-Vibration joist mounting legs as standard
- Selectable air capacities to suit floor area up to 150m<sup>2</sup>
- Smart Sense™ technology offers simple control and data logging
- Uses latest Lo-Carbon motor technology for low running costs
- Ultra low sound level
- Complete with new and improved ceiling diffuser, flexible duct and G4 filters with F7 upgrade option (PM2.5 Filtration)
- Standard 5 year warranty
- Up to 5 year maintenance free filter
- IPX2 rated



## Positive Pressure Ventilation

Designed to prevent and treat condensation and mould quickly. The PoziDry Pro™ is the perfect solution for general refurbishment, as its discreet, easy to install and almost silent running.

Lo-Carbon PoziDry Pro™ offers a quick and simple solution. A loft mounted positive input fan draws fresh air from the loft, filters it and gently feeds it into the dwelling via a ceiling mounted diffuser. Clean, fresh filtered air with a lower moisture content dilutes, displaces and replaces, contaminated and moisture laden air.

## Installation

The Lo-Carbon PoziDry Pro™ is uniquely flexible in its installation methods, high sided anti vibration legs and a hanging kit both come as standard, allowing the PoziDry Pro™ to be installed quickly in any sized loft. The easy carry handle incorporated into the body makes carrying the unit easy and safe; especially useful when lifting the unit through loft hatches.

The unit is supplied with a purpose designed diffuser to be located over the stairwell of a conventional dwelling, in the main hall of a bungalow, in the landing or hallway. The 4-point contact easy fit technology allows fast and repeatable 'drill free' installation.

Using Smart Sense™ technology the unit is easily set to the appropriate speed at installation based on the size of the dwelling. Natural leakage points that are present in all dwellings, as well as purpose provided exhaust points enhances the air change. En-suites and utility areas should be serviced by continuous mechanical extract ventilation.

The PoziDry Pro™ can also be set to Radon mode in properties that are affected by high radon gas levels. The unit will run continuously to ensure constant the supply good Indoor Air Quality to protect residents from harmful gases.

## Performance

With a lightweight construction, the Lo-Carbon PoziDry Pro™ features a specially developed Lo-Carbon DC fan/motor arrangement which runs quietly and delivers incredibly low running costs. The Lo-Carbon PoziDry

Pro™ uses a sensor to monitor the temperature in the loft, automatically adjusting the air volume when necessary. Additionally, resident comfort can be assured through an option to change the temperature at which the unit increases or decreases airflow. The unit will continuously ventilate silently in the background whilst in 'Trickle' mode. Once the unit automatically senses excess heat being lost into the loft the airflow will increase to 'Energy Recovery' mode to recover heat that would otherwise be lost through the roof. During summer months should the loft exceed 27°C (adjustable) the unit will enter 'stand-by' mode in order stop the circulation of warm air allowing for a more comfortable living environment. PoziDry Pro™ Heater models automatically turn on the 500W heater to boost air temperature by 10°C during colder months. Under assessment with BBA.

## Filter

Standard filters supplied with the PoziDry Pro™ are G4 (PM10 filtration) which filter out many every day pollutants such as pollen & dust. Optional F7 filters are available (PM2.5 Filtration) removing tobacco smoke, diesel particulates, spores and a number of bacteria.

## Data Logger

Smart Sense™ technology allows the unit to record how long it has been running in each of its speeds. It also measures the number of days the product has been switched on to provide precise running information. Smart Sense™ technology can also record the duration of heater activity and energy used. The Data Logger records the life time of a filter and indicates when a filter needs to be changed.

## Speed Control

Smart Sense™ technology makes speed selection easy. Once house size is selected based on number of bedrooms, PoziDry Pro™ automatically selects the correct Trickle and Energy Recovery speeds. Should you need to adjust speed manually this can be done easily. The Smart Sense™ interface can also be locked ensuring that settings are not tampered with.

## Heater

The 500W heater is fully flexible and has the option to be installed at diffuser level to reduce heat loss through the ducting. This means more heat enters the habitable areas of the house. Smart Sense™ controls allow the PoziDry Pro™ to be adjusted fully when the heater is activated making it adaptable for all lifestyles.

## Air Replacement Grille Set\*

For air replacement through doors. Consists of a two-piece telescopic set, which fits unobtrusively on either side of the door panel. Minimum fixing thickness 30mm. Plastic. Dimensions: 454 x 90mm.

\*Only required if there is not a 10mm undercut on the internal doors.

## Mounting Options

PoziDry Pro™ comes as standard with both high sided anti vibration legs and a hanging kit. The legs are designed to mount between standard joists widths between 400-600mm centres. Clip and fit connections allow for easy installation.

## Motor

The electronically controlled DC motor is manufactured with long life ball bearings and is fitted with Standard Thermal Overload Protection (S.T.O.P.). Suitable for ambient operating temperatures of -25°C to +40°C. For complete peace of mind, the Vent-Axia Lo-Carbon PoziDry Pro™ is backed by a 5 year warranty.

## Discreet Diffuser

The NEW discreet circular diffuser is easily installed, fitted and maintained. Easy fix features it can be installed against uneven ceiling surfaces with no gaps. Its low profile and aesthetically pleasing design has been developed with tenant acceptability in mind. Our Smart Air™ technology reduces air supply noise while increasing performance by 10%. The easy clip blanking plates help to control airflow into the property.

## Models

All models come with G4 filter, 2m of flexi duct and Ø200mm Diffuser. The PoziDry Pro FD model diffuser is fire rated but does not include Smart Air™ technology.

### PoziDry Pro™

Stock Ref  
476310

### PoziDry Pro™ with Heater

Stock Ref  
476311

### PoziDry Pro FD with Heater (Multi-storey Compliant)

Stock Ref  
476312

## Accessories

### Twin Spigot Kit

An additional kit to allow an extra circular diffuser to be installed near the PoziDry unit.

Stock Ref  
449071

<b>Includes:</b>	<b>Stock Ref</b>
1 x Ø200mm 6m Duct	436592
2 x Worm Clips	561707
1 x Ø200mm Equal Y Piece	452085
1 x Diffuser	478228

### F7 Filter Set

Offers additional filtration removing harmful particulates down to PM2.5

Stock Ref  
476401

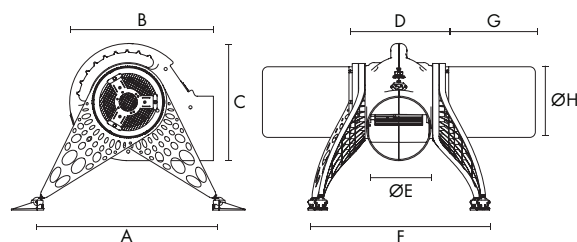
### G4 Filter Set

Stock Ref  
477629

## 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	Trickle		Normal	
	Flow Rate (l/s)	Power (W)	Flow Rate (l/s)	Power (W)
1	13	3.8	25	5.5
2	17	4.2	31	8
3	21	4.8	38	8.5
4	25	5.2	44	11
5	29	6.5	50	14
Adjustable	10-59	-	11-60	-

## Sound Data

Setting	Bedrooms	Test Mode	Octave Band, Hz, dB SWL								SPL dB(A) @ 3m
			63	125	250	500	1k	2k	4k	8k	
Trickle	1	Breakout	27.70	23.40	32.50	21.00	37.20	21.90	25.70	25.50	19.00
		Supply	30.00	24.70	23.80	14.20	13.50	12.50	17.50	22.50	7.20
	4	Breakout	32.10	28.70	36.30	29.10	33.20	20.10	28.80	28.20	16.30
		Supply	33.20	29.30	25.80	15.80	13.70	12.60	17.20	22.60	7.70
Normal	1	Breakout	31.10	28.80	43.50	29.30	33.70	20.60	28.30	28.20	18.20
		Supply	33.40	30.80	26.90	15.90	13.90	12.60	17.20	22.60	8.00
	4	Breakout	42.70	40.70	48.10	44.90	44.10	37.30	30.50	26.50	22.90
		Supply	40.20	39.90	34.90	25.80	19.60	15.80	17.20	22.50	13.10