

**NEW**

# Lo-Watt Manrose Positive Input Ventilation

## Whole-House System Specialist Range



**PIV**



- Fully adjustable between 11l/s - 60l/s
- Uses efficient motor technology for low running costs
- Low sound level
- Complete with ceiling diffuser, flexible duct and G4 filters
- Up to 5 year maintenance free filter
- IPX2 rated

This product is made using recycled material therefore the colour of the plastic may vary.

### Positive Input Ventilation

Designed to prevent and treat condensation and mould quickly, the Lo-Watt Manrose Positive Input Ventilation (PIV) is the perfect solution for general refurbishment, as its discreet, easy to install and almost silent running.

The Lo-Watt Manrose PIV 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-Watt Manrose PIV is uniquely flexible in its installation methods, a hanging kit comes as standard, with a floor mounted base available if needed, allowing the Lo-Watt Manrose PIV 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 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 Lo-Watt Manrose PIV can also be set to radon mode in properties that are affected by high radon gas levels. The unit will run continuously to ensure the constant supply of good indoor air to protect homeowners from harmful gases.

### Performance

With a lightweight construction, the Lo-Watt Manrose PIV features a specially developed Lo-Watt DC fan/motor arrangement which runs quietly and delivers incredibly low running costs. The Lo-Watt Manrose PIV uses a sensor to monitor the temperature in the loft, automatically adjusting the air volume when necessary. Additionally, homeowner 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. Lo-Watt Manrose PIV Heater models automatically turn on the 500W heater to boost air temperature by 10°C during colder months.

### Filter

The standard filters supplied with the Lo-Watt Manrose PIV are G4 (PM10 filtration) which filter out many every day pollutants such as pollen & dust.



### Speed Control

Speed selection is easy. Once house size is selected based on number of bedrooms, the Lo-Watt Manrose PIV automatically selects the correct Trickle and Energy Recovery speeds. Should you need to adjust speed manually this can be done easily. The control interface can also be locked if needed.

### Heater Model

The 500W heater is installed on the unit. The controls allow the Lo-Watt Manrose PIV to be adjusted fully when the heater is activated making it adaptable for all lifestyles.

### Installation

The Lo-Watt Manrose PIV comes with a hanging kit so the unit can be suspended from a roof beam in the loft using the hanging kit provided. An optional cradle for floor mounting is available as a separate accessory.

The PIV unit is ducted to a circular air diffuser which is mounted in the ceiling above a stairwell.

### Discreet Diffuser

The discreet circular diffuser\* is easily installed, fitted and maintained. Easy fix features allows for installation against uneven ceiling surfaces with no gaps. Its low profile and aesthetically pleasing design has been developed to remain unnoticed. The diffuser design reduces air supply noise while increasing performance by 10%. The easy clip blanking plates help to control airflow into the property.

\*Please note, the diffuser will always be supplied using white plastic.

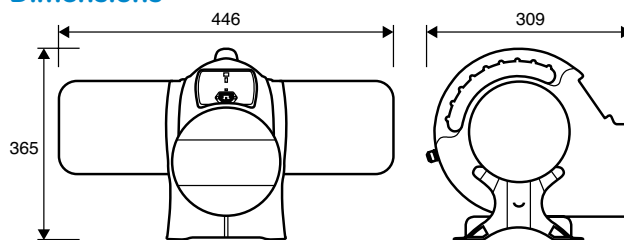
## Technical Details

All models come with G4 filter, 2m of flexi duct and Ø200mm diffuser.

### Models

- Lo-Watt Manrose PIV
- Lo-Watt Manrose PIV with Heater
- G4 Filter Set
- Floor Mounting Cradle

### Dimensions\*



\*This drawing shows PIV with the floor mounting cradle

### Performance

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	-