

# PYROSAFE VENT

## Smoke Protection Smart Vent



### ABOUT THE PYROSAFE VENT

The PyroSafe Vent is a smart vent, protecting from smoke spreading through communal ventilation systems.

Using proven technologies in innovative ways, the PyroSafe Vent is a unique product with the ability to sense smoke, heat and humidity levels, with the ability to seal the ventilation port, compartmentalising a dwelling, with an intumescent disc to seal the valve further in event of a local fire.

### PYROSAFE VENT FEATURES

1. Ionisation smoke detection to BS5446-1:2000
2. Rate of Rise (ROR) Detector conforming to EN54-4:2000, BS5446-2:2000 and BS EN 14604:2005
3. Audible alarm to BS 5839-6:2004
4. AutoStat Smart Humidity Controller
5. Mains Powered via 12v Power Supply
6. Battery back up by Rechargeable Lithium-Ion Battery, rated for 10 years.
7. Stainless Steel Construction
8. Servo Operated Smoke Valve
9. Silicone Rubber Smoke Seal, rated to 140 °C
10. Intumescent graphite disc, activated at 130 °C conforming to BS476:Part22 20:1987
11. Bluetooth Connectivity for testing
12. Internal Data Logger with 12 month memory, recording data on Humidity, Testing, Smoke detection, battery status, and Power Up/Power Down.

### GENERAL NOTES

The PyroSafe Vent is designed to inhibit the spread of smoke and fire through communal duct systems, by compartmentalising a dwelling when smoke is detected, either from the dwelling, or from the duct system.

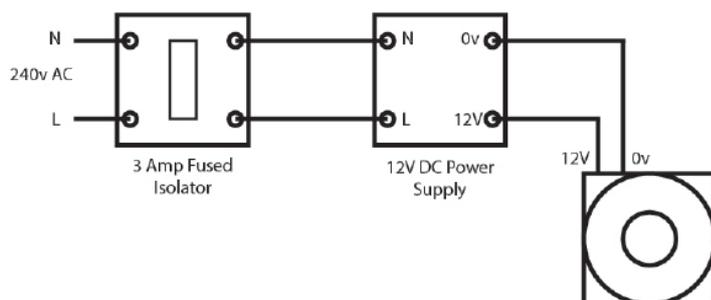
On Smoke Detection or a rapid temperature increase, the unit will automatically close the valve, utilising the silicone rubber smoke seal, and activate the audible alarm. The audible alarm can be stopped by the reset button by the resident, however the valve will remain closed until the smoke is cleared. In the event of a localised fire, the intumescent disc will be activated, expand and close the duct further.

The AutoStat Humidity controller continually senses the environment and during times of high humidity, proportionally compensates the smoke detector to stop false alarms, due to smoke and water vapour particles being similar sizes. This feature allows the device to be situated in bathroom and kitchens as well as living areas.

Bluetooth Connectivity allows for remote testing of the unit, with the benefit of being able to test the unit without needing to access the dwelling. The data logger is also accessible via bluetooth, allowing the user to download the relevant data, and able to send the data via email, to be able to file. This allows compliance of testing to be proven if required.



Part Number	Description	Contents
PSV-2	PYROSAFE VENT	PYROSAFE VENT with 98mm spigot 12V with integral intumescent smoke detector & vent control Remote intumescent 12V power supply unit with LED indicator
AutoFlow Valve 9l/s	AutoFlow Valve	AutoFlow Pressure Valve, with Adjustable Air Flow Rates (9-19l/s)
AD 100/150:100 Ø	Adaptor	Adaptor, round to rectangular
AD 100/100:100 Ø	Adaptor	Adaptor, round to square



**IMPORTANT: All connections to ventilation system require metal to metal connection, with intumescent mastic.**

**All Duct work should be cleaned to TR/19 before installation.**

**For air pressure consistency throughout your ventilation systems use AutoFlow Pressure Valve.**

## PYROSAFE VENT INSTALLATION

The PyroSafe Vent requires all duct work to be cleaned before installation. Cleaning work should be carried out to TR/19 standard.

Electrical power supply should be derived from the ring main or lighting circuit, and there should be a way of isolating the power to the unit without isolating the whole supply circuit. Any electrical connection boxes must be made distinguishable by either colour or engraving.

Full training is provided, with certification upon completion for installers, with commissioning by a VapourFlow representative upon completion of installation.

For more information please contact our customer support or see our website for product details and a detailed installation guide.

## FOR THE SPECIFIER

For installation on to an existing extract port.

The PyroSafe Vent is of stainless steel construction with an electromechanical air valve shutter assembly (including graphite intumescent fire break) with integral smoke, heat and humidity detectors, lithium-ion rechargeable battery, microprocessor controller and data logger.

The maintenance data log of test and activation (covering minimum of two years) is accessible with a Bluetooth control smartphone app, with the data able to be sent by email.

This unit conforms or adheres to the guidelines of the following:

BS476:Part 20:1987  
BS 5446-1:2000  
BS 5446-2:2003  
EN 14604  
EN54-5:2000  
BS EN 14604:2005

Vapourflow reserves the right to alter specifications and withdraw products from sale without notice.



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