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# Why Choose Eurofyre?

Based in the UK, Eurofyre Ltd is a privately owned company established in 2007. Our ambition is to provide the highest possible quality and level of service to all of our customers and we strive to achieve this by providing comprehensive online literature and specific training programs together with excellent pre and post-sale technical support.

The systems we promote and supply are designed to give users time to respond to possible threats before the





### 🔥 Brands We Supply & Support





### Complete Air Sampling Detection System Supplier

To meet the demands of today's air sampling and life safety requirements, we have positioned ourselves as a "complete ASD system supplier" to ensure optimum customer satisfaction.

The advantage of being a complete system supplier means there are no compatibility issues when it comes to choosing an aspirated smoke detection system. By providing a complete range, such as the latest VESDA-E high sensitivity aspirating smoke detection system, we can ensure you have a one stop shop for all necessary components including the ASD unit, PSU, pipe and fittings.

Our broad range of products include:

VESDA high sensitivity aspirating smoke detection systems	<b>②</b>	Ancillary devices, spare parts & consumables	<b>⊘</b>
VESDA-E high sensitivity aspirating smoke detection systems	<b>⊘</b>	Filters	<b>⊘</b>
ICAM high sensitivity aspirating smoke detection systems	<b>②</b>	In-line gas detection	<b>⊘</b>
25mm pipe & fittings in red, grey and white	<b>⊘</b>	Power supplies	<b>⊘</b>
3/4" pipe & fittings in red	<b>⊘</b>	Programming equipment	<b>⊘</b>
6mm pipe & fittings	<b>⊘</b>	Software	<b>⊘</b>

## **(1)**

## **Eurofyre Pipe & Fittings**

A key element in the performance of an aspirating smoke detection system is the network of specially designed air sampling pipe that constantly and efficiently transports air from the protected areas, back to a high sensitivity smoke detector such as the VESDA-E VEP.

Our pipe and fittings range has been manufactured to comply with the requirements of BS5391 Part 1, EN 61386-1 and EN54-20 and is produced using ABS (Acrylonitrile Butadiene Styrene) which has the most suitable physical properties for aspirating smoke detection, optimising performance with tensile strength, chemical resistance, ductility, weather-ability, heat-stability and process-ability.

Our wide range of pipe and fittings has a metric standard of 25mm external diameter; however, we also stock ¾". For retro-fit installations, imperial to metric conversion adaptors can be provided, which have been designed to work with any low pressure aspirating smoke detection system.

To identify its service as 'fire', the standard colour for aspirating pipework is red. However, we recognise that red is not always the colour of choice when it comes down to aspects such as aesthetics, therefore we also stock white and grey pipe, fittings and accessories.

Eurofyre's pipe and fittings range has been specially developed to work with a wide range of aspirating smoke detection systems including ICAM, VESDA and VESDA-E.

As well as pipe and fittings, we stock a wide range of accessories such as capillary air sampling kits, air sampling fittings, in-line filters and flexible tube.

Pipe Size

25mm

27mm (3/4inch)

Colour Range

Red - RAL 3020

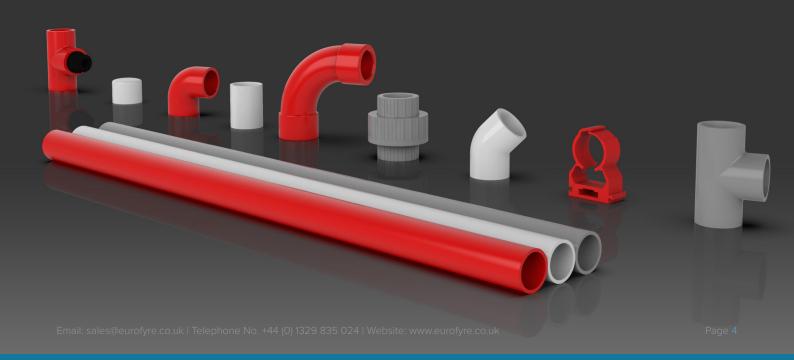


White - RAL 9016



Grey - RAL 7011







# Air Sampling Design Assistance



### ? Assistance from Eurofyre







### The Ability to Save Environmental Design Parameters



### **Detailed Installation Pack**





# Key Features













## M Overview



# Approvals





VESDA =

# Typical Applications

The VESDA-E VEP is an aspirating smoke detector (ASD) that provides early warning of fire conditions by drawing air samples through a large-bore tube air-sampling network. This flexibility makes VESDA-E VEP detectors extremely flexible for use in a wide range of applications including:

Accommodation	<b>⊘</b>	Marine	<b>⊘</b>
Hotels	<b>⊘</b>	Nuclear Facilities	<b>⊘</b>
Shops	<b>⊘</b>	Oil & Gas	<b>⊘</b>
Offices	<b>⊘</b>	Portable Switch Rooms	<b>⊘</b>
Correctional Facilities	<b>⊘</b>	Power Generation	<b>⊘</b>
Clean Rooms	<b>⊘</b>	Records Storage	<b>⊘</b>
Cold Storage	<b>⊘</b>	Retail	<b>⊘</b>
Cultural/Heritage	<b>⊘</b>	Transportation	<b>⊘</b>
Data & Telecom	<b>⊘</b>	Wind Power Generation	<b>⊘</b>
Education	<b>⊘</b>	Warehousing	<b>⊘</b>
Hospitals & Healthcare	<b>⊘</b>	Underground Parking	<b>⊘</b>
Insurance	<b>⊘</b>	Utilities	<b>②</b>



## ? How Does The VEP Work?

and then a sample of the air is drawn

achieve optimum response to a wide

If the detected smoke is higher than

can be used for configuration and

The detector has a LED user interface. Reset or Disable the detector.

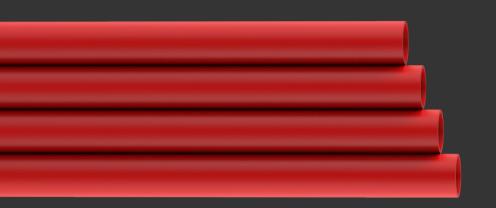




# Rey Knowledge



## 🥓 Pipe Lengths



1 Pipe	110m (361 ft)
2 Pipes	100m (328ft)
3 Pipes	80m (262ft)
4 Pipes	70m (230ft)





### Max. Number of Holes Per Class

Class A	40 Holes
Class B	80 Holes
Class C	100 Holes

### Multi Stage Filtration



## Flair Detection Technology

### **Detection Performance**

### Consistent Performance Over Time

### Efficiency of Operation





# Advanced and Effective Response



# ⇒ Backward Compatible



## ? Why do Aspirating Smoke Detectors Need Updating?



### i VESDA-E VEP



# **1** VESDA-E VEP

The VESDA-E VEP series of smoke detectors bring the latest and most advanced detection technology to provide very early warning and the best nuisance alarm rejection to a wide range of applications. Built on the Flair detection technology and years of application experience, VEP detectors deliver absolute calibration for lifetime performance and a range of revolutionary new features that deliver user value.

### Flair Detection Technology

Flair is the revolutionary new detection chamber that forms the core of VESDA-E VEP, providing better detection, fewer nuisance alarms, higher stability, increased longevity and particle characterisation. Direct imaging of the sampled particles using a CMOS imager combined with multiple photo-diodes allow vastly more data that can be used to derive actionable information about the observed particles using analytics.

### Installation, Commissioning and Operation

VESDA-E VEP is equipped with a powerful aspirator that provides a total pipe length of 560 m (1,837 ft). Out of box operation is made possible with AutoConfig which allows airflow normalisation and AutoLearn Smoke and Flow to be initiated from within the detector. VEP is fully supported by the ASPIRE-E and Xtralis VSC software applications which facilitate ease of pipe network design, system commissioning and maintenance.

### Ethernet and WiFi Connectivity

VESDA devices communicate on VESDAnet which provides a robust bidirectional communication network allowing continued redundant operation even during single point wiring failures. VESDAnet enables primary reporting, centralized configuration, control, maintenance and monitoring.

### Backward Compatibility

VESDA-E VEP is compatible with existing VESDA installations. The detector occupies the same mounting footprint, pipe, conduit and electrical connector positioning as VESDA VLP. VEP is also compatible with existing VESDAnet installations allowing monitoring of both VESDA-E and legacy detectors via the latest iVESDA application.



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## Ordering Information



VEP-A00-P

VESDA-E VEP with LEDs, 4 Pipe



VEP-A10-P

VESDA-E VEP with 3.5" Display, 4 Pipe



# VESDA-E Power Supplies





## 🧲 Ordering Information



VPS-220-STX

VESDA-E 0.5A 7-14Ah PSU, Black



VPS-250-STX

VESDA-E 2A 12-24AH PSU, Black







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