Aspirating Smoke & Gas Detection
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THE WORLD’S NO. 1 ASD BRAND

VESDA very early warning smoke detection solutions provide the earliest possible warning of an impending fire hazard. VESDA buys time to investigate an alarm and initiate an appropriate response to prevent injury, property damage or business disruption. And because VESDA has the industry’s widest sensitivity range and multi-level alarms, even minute levels of smoke can be detected before a fire has time to escalate.

As the No. 1 ASD brand specified by fire professionals around the world, VESDA is synonymous with reliable, high-performance fire detection.

WHY VESDA?

VESDA works by continuously drawing air into distributed pipe network via a high-efficiency aspirator. The air sample then passes through a dual-stage filter. The first stage removes dust and dirt from the air sample before it enters the laser detection chamber. The second, ultra-fine stage provides an additional clean-air supply to keep the detector’s optical surfaces free from contamination, ensuring consistent absolute detection and long detector life as well as minimizing nuisance alarms.

From the filter, the air sample goes through the detection chamber where it is exposed to a laser light source. When smoke is present, light is scattered within the detection chamber and is instantly identified by the highly sensitive receiver system. The signal is then processed and presented via a bar-graph display, alarm threshold indicators and/or graphic display. VESDA detectors are able to communicate this information to a fire alarm control panel, a software management system, or a building management system via relays or a High Level Interface (HLI).

VESDA-E VEU THE NEXT GENERATION

The VEU series of aspirating smoke detectors are the premium detector of the VESDA E range. An Ultra-wide sensitivity range; 15 times greater than VESDA VLP, and provision for more sampling holes provide an increased coverage in high airflow applications by up to 40%. Considerably longer linear pipe runs and extended branched pipe network configurations cater perfectly to applications with higher pipe, conduit and electrical connector positioning as VESDA E detectors offer Ethernet and WiFi connectivity as standard features. The detector can be added to a corporate network, allowing WiFi enabled tablet devices and laptops installed with Xtralis configuration software to connect wirelessly to the detector via the network.

Detectable gases

- Hydrogen
- Methane
- Propane
- Gasoline Vapour
- Pentane
- Ammonia
- Alcohols
- Oxygen
- Hydrogen Sulphide
- Sulphur Dioxide
- Nitrogen Dioxide
- Chlorine
- Carbon Dioxide

VESDA ASPIRE2

The performance of an aspirating smoke detection made easy. The performance of an aspirating smoke detection system is dependent upon the design of the pipe network used to transport air back to the smoke detector.

FEATURES OF ASPIRE2

- Ensures optimum design of VESDA aspirating smoke detection pipe networks, including VESDA ECO gas detection and environmental monitoring
- Accurately models pipe network designs to environmental performance criteria
- Speeds the design process by automating adjustment of hole sizes
- Allows different detector performance requirements within one building
- 3D schematics to aid design and installation
- Professional reports and materials lists can be generated to add to client submissions
- FPT can provide the aspire design service for you

VSM4 - MANAGEMENT SOFTWARE

VSM4 provides full and comprehensive integration of your VESDA and ECO gas detection systems.

The Picture Tells the Story – in Real Time

At a glance VSM4’s interface can show you:

- A color-coded real-time event list, prioritized according to urgency
- Graphical representations of smoke and gas levels
- Trending analysis so that you can compare smoke and gas levels across the system
- Exact details about the location, zone and devices involved in an event
- Smart, user-friendly operator controls that leave you in complete control

Powerful Configuration Capabilities in One Tool

VSM4 includes all the sophisticated network and device configuration capabilities of Xtralis VSC software. It also includes all of VSC’s system commissioning and testing functionality. VSM4’s offline configuration function allows you to create an off-line configuration at your convenience and later connect and configure the system when on-site.

VSM4 SET UP

Fire Protection Technologies can provide a full set up and commissioning service, all you need to provide are “As installed drawings”
PRODUCTS:

**Gaseous Suppression**
- Inert Gas (IG-01, IG-55, IG-100, IG-541)
- Novec 1230™ Fluid (FK-5-1-12)
- FM-200® / NAF S 227 (HFC-227ea.)
- Ecaro 125® / NAF S 125 (HFC-125)
- Carbon Dioxide (CO₂)
- Hybrid Systems (N₂ / Water)
- Pressure Relief Vents
- Enclosure Integrity Testing Equipment
- Pipe & Fittings

**Water Suppression**
- Water Mist - High Pressure
- Water Mist - Intermediate Pressure
- Water Mist - Low Pressure
- Hybrid Systems (Water / N₂)
- Monitors & Delivery Systems
- High Speed Deluge

**Foam Suppression**
- Foam Concentrates
- Foam Proportioning
- Foam Delivery Systems
- Foam Concentrate Testing

**Explosion Protection**
- Explosion Suppression
- Explosion Isolation
- Explosion Vents & Pressure Relief
- Spark Suppression
- Explosibility Testing

**Fire Detection**
- Linear Heat Detection - Digital
- Linear Heat Detection - Fibre Optic
- Linear Heat Detection - Micro Chip
- Flame Detection
- Video Imaging Detection
- Spark Detection
- Control & Indicating Equipment
- Thermal Imaging Detection
- Aspirating Smoke Detection

**Military & Defence**
- Military Vehicles
- Naval Vessels

**Special Applications**
- Micro Environment
- Oxygen Reduction
- Kitchen Protection Systems
- Dry Chemical Vehicle Systems
- Compressed Air Foam
- Marine & Offshore
- Vapour Mitigation

**Support Services**
- Design / Engineering
- Technical Support
- Services & Testing

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