



VESDA®

VFT Series

Addressable,
high sensitivity
early warning
aspirating
smoke detectors



Very early warning with pinpoint addressability

The Xtralis VESDA VFT series are high sensitivity aspirating smoke detectors that pinpoint the source of an incipient smoke incident, speeding response, enhancing investigation and minimizing business disruption and downtime.

The VFT detectors are unique in their ability to pinpoint the source of an incipient smoke incident and locate the event, therefore minimizing investigation and downtime. These advanced detectors provide intelligent addressability to identify up to 15 protected areas, via microbore air sampling tubes with an unparalleled sensitivity ranging from 0.001%% to 20% obscuration/meter.

The unique features of VESDA VFT

- 6 mm microbore air sampling
- 15 x 50 m microbore sampling pipe
- High sensitivity - 0.001%% to 20% obs/m
- 4 Alarms - Alert, Action, Fire 1, Fire 2
- Powerful suction rotary vane vacuum pump – 0.7 Bar with sensitive airflow monitor
- Large, clear display panel
- TCP/IP Ethernet interface
- RS232 and RS485 MODBUS
- 5 relay outputs as standard



Xtralis VESDA VFT

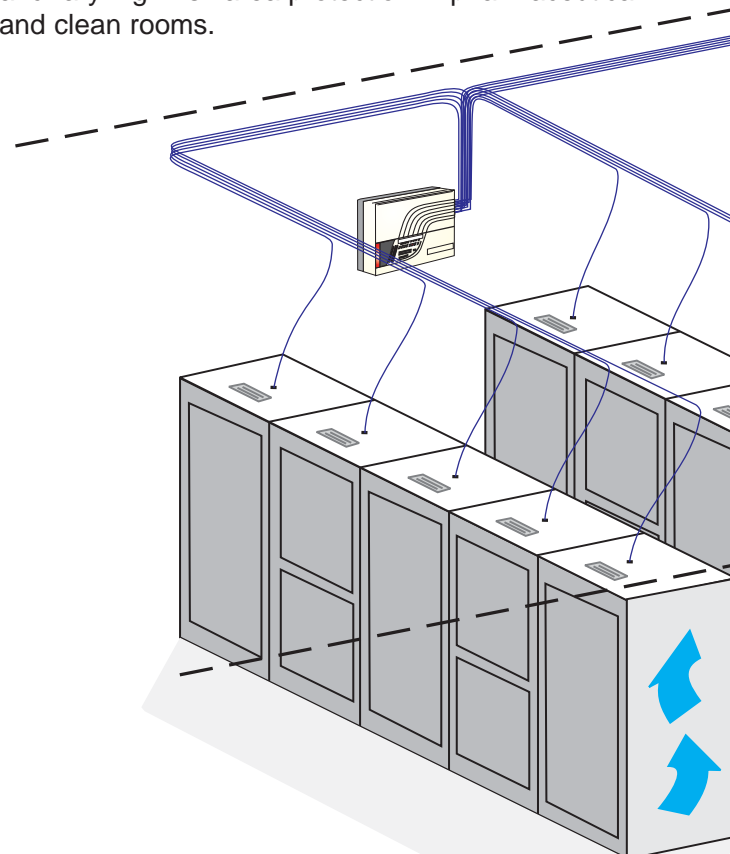
How it works

The Xtralis VESDA VFT detector is a 15 channel microbore air sampling system with the ability to identify the location of an incident within a large area split into 15 sectors. Air is drawn from the protected area through this network of microbore flexible tubing (6 mm O.D./4 mm I.D.). In the event that smoke particles or gas are detected a TRACE alarm will be raised and the system will identify the sector, or sectors, with the smoke or gas condition.

Typical applications

The Xtralis VESDA VFT range is ideally suited for a wide range of applications including:

- computer and server rooms, where a specific server cabinet can be identified and singled out for investigation
- switchgear cabinets, clean rooms and research facilities
- prison and correctional institutions for compartmentalized, tamper-proof smoke detection
- exclusive homes, apartments, hotels, shops and office blocks where high performance but discrete smoke detection is required.
- ancillary high risk area protection in pharmaceutical and clean rooms.



Complementary to Existing VESDA Range

The VFT series are complementary to the existing VESDA range and provide high sensitivity detection with pinpoint addressability at a more compelling price than multiple VLS units with single hole pipes.

There are 2 VFT models to suit different sensitivity requirements.

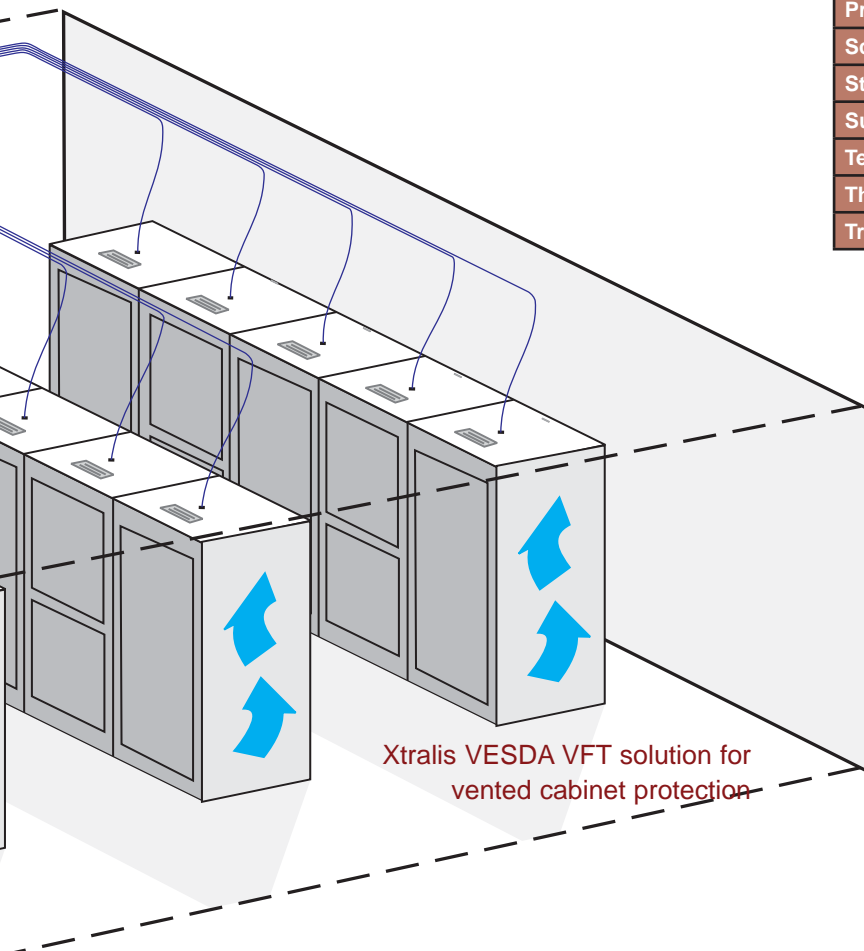
- VFT-15 (0.001% to 20% obs/m or 0.0003% to 6.10% obs/ft)
- VFT-15-C (1 to 20% obs/m or 0.3 to 6.10% obs/ft)

VFT-15-C is ideally suited for applications that require pin-point addressability but not high sensitivity detection.

Choice of VESDA Detectors:

The following table identifies the suggested VESDA detector for different environments. Actual site conditions and pipe network design will determine the final choice of the detector.

| Environment | VLP | VLS | VLC | VLF | VFT |
|----------------------------|-----|-----|-----|-----|-----|
| Aircraft Hangars | x | x | | | |
| Atria | x | | | | |
| Auditorium | x | | | | |
| Cable Tunnels/Trays | x | x | x | | |
| Casinos | x | x | | | |
| Clean Rooms | x | x | x | x | x |
| Cold Rooms | x | | x | | |
| Computer Rooms | x | x | x | x | x |
| Control Rooms | x | x | x | x | x |
| Dormitories | x | x | x | | |
| EDP Environments | x | x | x | x | x |
| Elect/Switching Cabinets | | | x | x | x |
| Equipment Cabinets | | | x | x | x |
| Historical Buildings | x | x | x | x | x |
| Hospitals | x | x | x | x | x |
| Hotels | x | x | x | x | x |
| Laboratories | x | x | x | x | x |
| Libraries/Archival Storage | x | x | x | x | |
| Manufacturing Facilities | x | | x | | |
| Museums/Art Galleries | x | x | | | x |
| Offices | x | x | | x | x |
| Prison cells | | x | x | x | x |
| Schools | x | x | | | |
| Storage Areas | x | x | | x | |
| Substations | | | x | x | x |
| Telecommunications | x | x | x | x | x |
| Theaters | x | x | | | |
| Transportation | x | x | | x | |



Learn more about how Xtralis can help you

Xtralis VESDA buys time.

Xtralis VESDA buys time. Time to respond to a fire threat, minimizing damage and business downtime. Xtralis VESDA systems are highly sensitive, have a wide sensitivity range and can be strategically positioned where smoke will travel. This enables the very early detection of smoke, and in the unlikely event that a fire cannot be controlled, an Xtralis VESDA detector can be used to actuate suppression systems.

Safety and reliable protection of your investments

Unlike traditional point-type detectors, Xtralis VESDA systems actively draw air samples to a central detector, they monitor airflow, and protect their optics. This ensures that air is reliably and actively sampled for smoke and that the optics are protected from contamination, thereby, reducing nuisance alarms and maintaining the sensitivity of the detector over time.

Xtralis VESDA systems comply with local fire codes and standards

- NFPA 75 - Standard for the protection of computer EDP/ Clean Agents.
- NFPA 76 - Standard for the fire protection of telecommunication facilities.
- TIA - 942 - Telecommunications infrastructure standard for data centers.
- FFIEC - The U.S. Federal Financial Institutions Examination Council recommendations.
- BS6266 - 2002 - Code of practice for fire protection for electronic equipment installations.
- BFPSA - British code of practice for design, installation, commissioning and maintenance of ASD systems.

Approvals

VdS

CE - EMC, LVD and CPD

EN54-20

- Class A (0.1% obs/m)
- Class B (0.1% obs/m)
- Class C (1.0% obs/m)

Other Major Agency Approvals pending.

Call the Xtralis office closest to you to access Xtralis VESDA Product Guides and other information.

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