

# Elotec Aspiration system

Aspirating Smoke Detectors for any environment – developed from 25 years of unique experience.  
Modern and advanced planning software.  
Pipes and accessories specially adapted to challenging environments.





Elotec Aspect – The aspirating smoke detector with every component

# in one enclosure



## No external power supply to worry about

The Aspect has an integrated switch mode power supply that supports 230V, 12V or 24V.



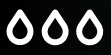
## Integrated battery

Fit a battery with up to 18 Ah (BA 1800) for 30 hours of emergency operation.



## Two detection areas

Separate sensors quickly tell which area is causing the alarm. Cover large spaces with up to 2x100 meters of pipe in each area.



## Handles condensation and moisture easily



Filters out moisture with an integrated condensation filter, assuring secure operation in high moisture applications.



## Resists dust and corrosive gases

An IP44 enclosure with internal filters and carefully selected materials ensures longevity of the electronic components.



## Works in any environment

The Aspect is built for temperature fluctuations and works just as well in commercial greenhouses as cold storage rooms.

## Server room sensitivity

With class B sensitivity according to the EN 54-20 standard, Aspect provides early warning where needed.

No external units



## Installer friendly construction

- Roomy external mounting flanges.
- Hinged and removable lids for ease of access to terminals and filters.
- Integrated power supply.
- IP44 enclosure in acid-proof aluminium and halogen-free fire retardant plastic.
- All elements designed to prevent water and dust from reaching the electronics.





# All conditions



CLEAN ROOMS

Elotec ASPECT has been installed in all types of buildings, from the toughest conditions in Norwegian agriculture, to clean rooms in the Middle East.

The Aspect is one of the world's leading aspirating smoke detectors for all applications. Early detection in any environment is something we handle every day.



COLD STORAGE



CORROSION



DUST



HUMIDITY





Complete fire safety at  
**SNØ / NORWAY**

Norway's first  
indoor skiing center,  
finished in January 2020.



CHLORINE

**Elotec Aspect Pool**

Especially made for swimming  
pools and other chlorine  
environments.





# All environments

With experience from the toughest agricultural environments, we have developed an aspirating smoke detector that solves the issues related to the many environmental challenges. By focusing on details, we have given the Aspect the tools to withstand everything.

Our sensors can be used to achieve class A, B and C.  
Unique filters and special accessories are all part of the success.

## Class B/C

### GRIZZLE

Reliable detection of visible smoke, even in extremely dusty surroundings and harsh environments.

**CLASS B:** 2 × 100 m, 2 detection areas

**CLASS C:** 4 × 100 m, 2 detection areas

### SUITABLE FOR

Heavy industry, parking garages,  
office buildings, agriculture,  
cold storages and freezers

## Class A

### LAZEER

Employs unified sensor technologies to achieve the highest possible sensitivity to all types of fire.

**CLASS A:** Up to 2 × 100 m,  
1 detection area

### SUITABLE FOR

Clean rooms, server rooms,  
data center, laboratory

*“If we had used our old, familiar systems on this project, we might still be here tweaking the installation weeks from now”*

**– first-time customer feedback**

## Aspect accessories

Specialized equipment for projects that demand extra cleaning, filtering and other adaptations, is available. Based on many years of experience, Elotec has developed each part with special features to counteract specific challenges or to improve the overall functionality of the system. With Aspect and its accessories, Elotec has made the complete package for all applications. The possibilities are endless, even in areas where you might think smoke detection is impossible.



### PIPES

Smooth internal surface with an Ra value of 1.6 avoids buildup of dust and bacteria, improves transportation of air and smoke, and makes it easier to clean the pipes.



### VULCAN

Cyclone filter that separates – in one device – both dust and condensation from the sampled air stream. This Elotec patented solution will not affect transportation time or sensitivity.



### ELOCLEAN

Clean the pipes at programmable intervals, without physical scrubs, fluid or compressed air. Designed to integrate in the pipeline without affecting sensitivity or transportation time.



### THUB FOR ASPECT 2010

THUB allows for pre-installation of the pipes. Aspect can easily be clicked in place when construction is finished. THUB makes mounting easy:

- Less wall space required.
- Additional pipe inlets.
- Built-in condensation container.



### OTHER ACCESSORIES

- Pipe joints and bends with pre-applied sealant, no glue needed.
- “Sniffers” for discreet detection.
- Clips for all kinds of mounting.
- Practical adapters for combining and splitting pipelines.
- Special filters for extreme cases.
- Tools for verification of performance.





## PipeDraw Calculation Software

Developed by Elotec to easily design pipelines for the Aspect aspirating smoke detector.

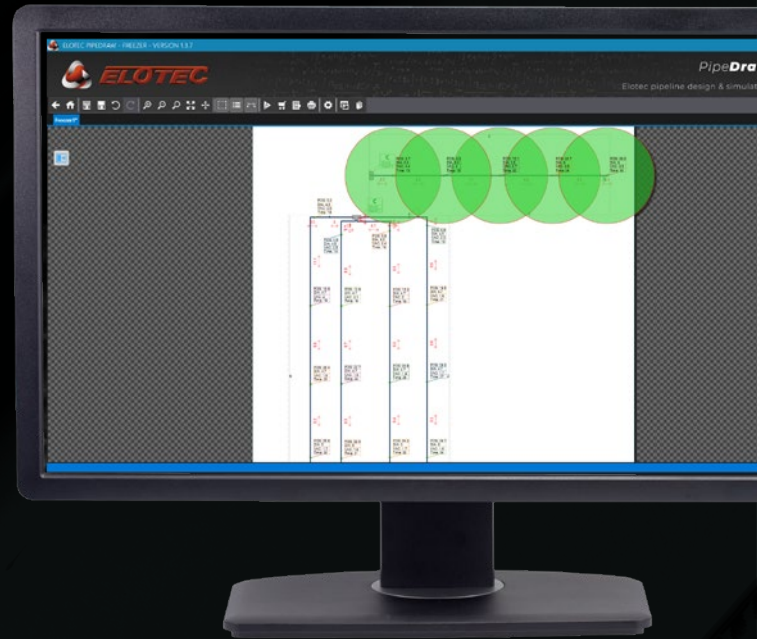
The software provides an intuitive user interface that allows you to quickly and easily get required information.

### PLANNING DETAILS

- Automatically calculates holes for each pipeline.
- Generates necessary information for installation and commissioning.
- Makes it easy to plan complex layouts.

### IMPORT AND CUSTOMIZE

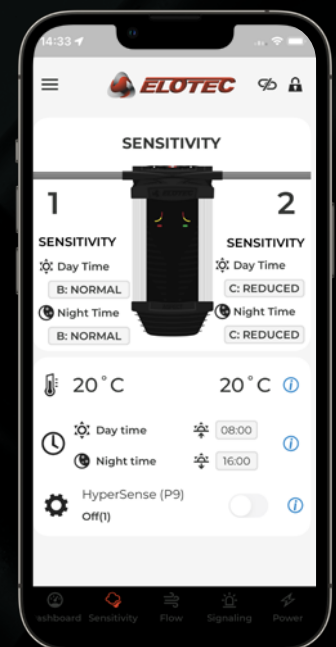
- Import drawings in both PDF and DWG format. Add own Elotec layer in CAD-drawings.
- Settings and interface can be adapted to local regulations.



## ASPECT TOOL – unique, easy-to-use interface

Aspect Tool is developed for easy use, and is the only tool you need to set the preferred operating parameters for your Aspect. Connect through WiFi / BLE to easily edit settings, timers and modes.

- Save time on commissioning and service with the Aspect Tool companion app.
- Simple status read-out and configuration on your mobile device.
- Single touch adaptation to local air flow.
- Generate and e-mail full status reports.



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