SECURITON

SecuriSmoke ASD

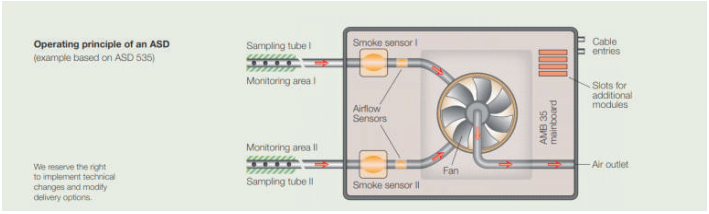
Aspirating smoke detectors from Securiton are among the most reliable early warning systems for fi res. The SecuriSmoke ASD (aspirating smoke detector) range impresses with its unrivalled performance level.

Developed in Switzerland and manufactured in Germany, the detectors are particularly reliable and robust.

Your benefits at a glance:

- approved in accordance with EN 54-20 classes A, B and C, UL and FM
- sensitivity settable from 0.002–10%/m
- highly sensitive yet robust smoke detection thanks to LVSC (large-volume smoke chamber) with measurement resolution < 0.001%/m
- complete integration into the SecuriLine addressable loop, including Config over Line
- insensitive to dirt particles thanks to patented particle suppression
- coated printed circuit boards for protection against corrosive environments
- up to 5 alarm levels per detector (3 pre-signals and 1 or 2 alarms)
- surge protection up to 8 kV
- special filter units for extreme conditions and metallic dust
- compact blow-out unit for very dusty applications

- Approved according to EN 54-20 classes A, B and C, plus UL (268 7th Edition) and FM
- VdS-tested calculation software ASD Pipe Flow allows for an efficient asymmetrical pipe layout
- Sensitivity can be set from 0.002–10 %/m
- Highly sensitive yet robust smoke detection thanks to large-volume smoke chamber (LVSC) with measurement resolution < 0.001 %/m
- Complete integration into the SecuriLine loop including Confi g over Line
- Insensitive to dirt particles thanks to patented particle suppression
- Automatic soiling compensation and auto learning function
- Low noise level, compliant with ISO 11690-1
- Up to 5 alarm levels per detector (3 pre-signals and 1 or 2 alarms)
- Heavy duty version of the ASD 535 for extreme environments with:
- IP 66 protection
- Coated printed circuit boards
- 8 kV surge protection



UL LISTED

FM APPROVED

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Typical applications

Rail areas:

MFS magnet filters are typically used in the event of rail abrasion in metro applications. For heavy dirt accumulation, blow-off units are also recommended in addition to the

DFU 911 filter to prevent faults in the sampling tube network.

Industrial applications:

The processing of materials (e.g. grinding and welding) produces different kinds of dust that have to be filtered. In addition to the DFU 911 dust filter unit, an ADB 500 should be used, as well as a DTB 25 and an MFS 25 depending on the processed material.

Agriculture:

Corrosive and dusty environments require the use of the DFU 911S, the DTB 25 and the ADB 500. Coated printed circuit boards protect the ASD from corrosive environments.

Timber processing industry:

In carpentry workshops, fine wood fibres can cause disturbances in the smoke sensor. This is why a DFU 911S

ASD Pipe Flow

ASD PipeFlow is a powerful software program used for calculating the sampling pipes of aspirating smoke detectors (SecuriRAS ASD) to ensure they comply with the relevant standards. It uses an exact physical model that generates precise values even in the case of large sampling pipes

- Calculation of symmetrical and asymmetrical sampling pipes
- VdS approved
- Planning in accordance with EN 54-20
- Maximum transport times taken into account (e.g. Austria or NFPA 72)
- Genuine calculation; notable/empirical values
- Facilitates and speeds up the planning work
- Allows expanded system limits compared with EasyConfig
- Takes account of all accessory materials (pipe types, filters, water retaining boxes, etc.)
- Available in a range of languages
- Extensive Help menu (F1)
- Recalculation of existing sampling pipes whenever older series of aspirating smoke detectors are upgraded
- Evidence-based documentation for acceptance procedures by experts

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