



SecuriRAS® ASD 535LT

Aspirating Smoke Detector in refrigerated warehouses
Sales Presentation – Overview

01.07.2009 / Bs

 **SECURITON**

For your safety

Content

Introduction

Product characteristics

ASD 535LT

Competitors

Argumentation / USP



Introduction

Securiton – Pionieer in fire detection

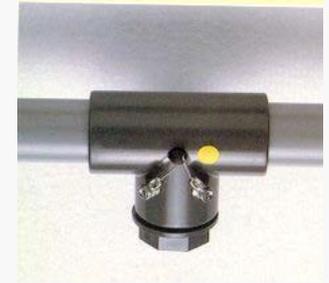
RAS 52B

since 1983 Securiton produces ASD
in deep freezing stocks

Standard situation

CEA 4050 „Specifications for the
Protection of cold areas”

➔ ASD is suggested



Sampling point
with heating



sampling point in refrigerated
warehouses (without heating)

Product characteristics ASD 535LT

Successor RAS 52B

Every ASD 535 contains LT functionality from FW 01.02.01 (LT isn't a logistical version)

You need

ASD Config 1.2.2.0

ASD PipeFlow from V 2.0.5.0

VdS-test for -30°C finished (Certificate from end of July 09)

New Wiring Connection Unit WCU 535

Product release from 1.06.2009

System limits:

	Klasse B	Klasse C
Max. Länge des Ansaugleitungs-Rohrnetz pro Rauchsensor (summiert)	140 m	200 m
Max. Länge vom ASD zur entferntesten Ansaugöffnung	80 m	80 m
Max. Anzahl Ansaugöffnung pro Rauchsensor bei I/U/T-förmiger Ansaugleitung	10	10
Max. Anzahl Ansaugöffnung pro Rauchsensor bei H-förmiger Ansaugleitung	8	8

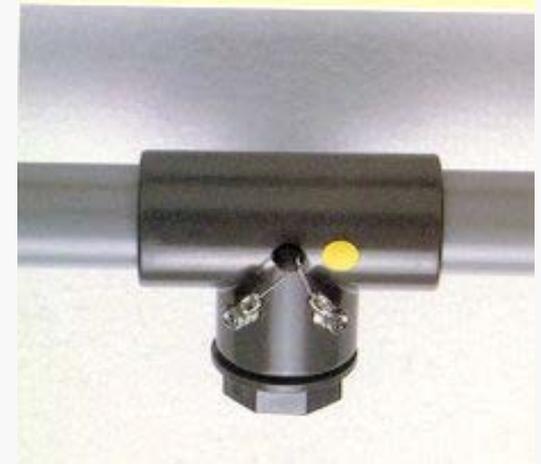
Sampling points with heating

Heating on demand only if risk of pipe blocking by ice threats

Control by air flow monitoring (adjustable by ASD Config)

Several sampling point diameters (calculated in ASD PipeFlow) marked by colour code

Wiring through sampling pipes (cable insertion done by Wiring Connection Unit WCU 535)

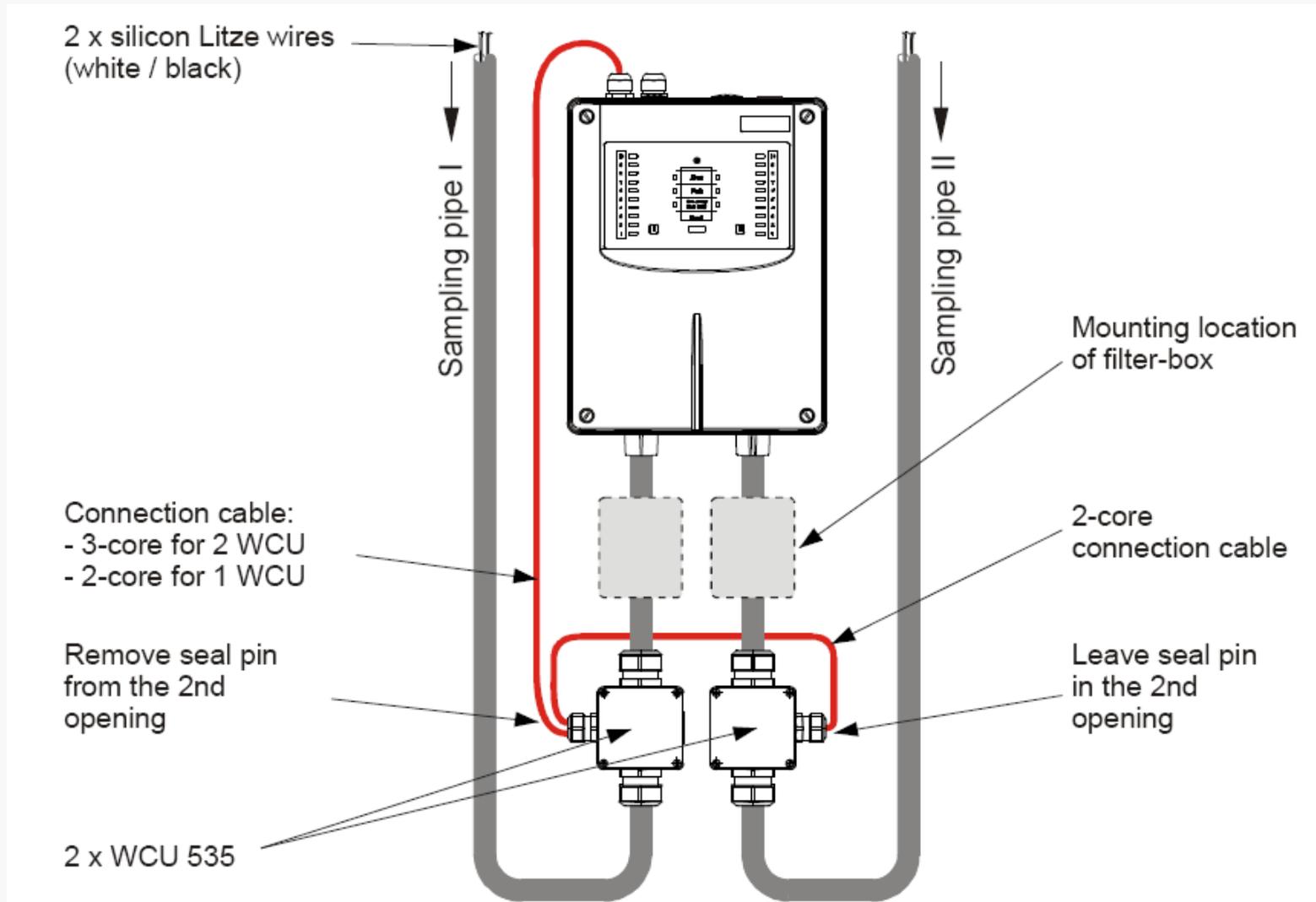


Sampling point with heating



WCU 535

Wiring Connection Unit WCU 535



Competitors

Wagner

De-icing of sampling points by pressured air (controlled by air flow monitoring) → need of emergency power for pressured air!

VESDA (xtralis)

Offensive since 2006

Detection without measures for de-icing

ASD installed outside of cold area (Temperature range of Laser only down to -10°C)

Point type detector with heating

Sometime seen; makes no sense because of bad detection behaviour for high warehouses

Argumentation

ASD installed outside (without de-icing)

- 👍 cost-effective solution
- 👎 Need of carefully projecting of sampling points not to put them on areas with threat of been blocked by ice
- 👎 Not suitable for every cold warehouse
- 👎 Distracting breach for sampling tubes causes cold bridge and condensation problems → threat to have flash over of a fire outside into the warehouse

Argumentation of Wagner vs Securiton

Heated sampling points causes germ formation

→ false because sampling points are only heated on demand

USP ASD 535LT

Safe Detection under difficult condition thanks to heated sampling points

No break-through in isolation because ASD is installed inside the cold area

> 25 years of experience for ASD in cold warehouses

Sampling point heating is emergency powered and tested by VdS