Dryer protection

robecco RDP

System for early fire protection

INDUSTRY SECTOR

Food industry
Petfood industry
plastics recycling industry

Gas analysis
Early fire protection

Dryer protections

robecco RDP

robecco RDP is a gas analyser system for the rapid detection of smoldering fires during drying processes. According to VDI guidelines 2263, sheets 7 and 7.1, the use of carbon monoxide (CO) detection has become proven for Early fire detection.

robecco RDP

APPLICATION:

❑ CO measurement:	Continuous monitoring of spray drying processes.
❑ Monitoring of drying processes:	Early detection of smoldering fires to pprevent explosions. The timely detection of a smoldering fire enables the operating company to effectively prevent the spread of a fire. Continuous CO monitoring ensures preventive, advance fire and explosion detection.

TECHNICAL DATA

This gases can be analyzed:
CO (Carbon monoxide)

Method of measurement
Infrared

Number of measuring points
Modularly expandable
continuous

Characteristics
Infrared differential measurement technology
Output of limit values and alarms
Automatic zero point calibration
Automatic blow back device for the Pre-filter sample gas probe

Mounting
Analysis cabinet outside the Ex zone
Air-conditioned room

Protection class:
IP55 up to IP 66

Ambient temperature
0°C up to +40°C

Operation temperature cabinet:
+5 up to 30°C

Operating voltage:
110VAC / 230VAC, 50-60Hz

Interfaces:
Profinet, Ethernet
Profibus, MPI
Modbus
Potential-free contacts

Technical characteristics of sample gas probe RSP-1:

❑ With pre-filter
❑ Optional blow back equipment device for pre-filter cleaning
❑ Optional heated

Mounting

- Any application
- Directly in the process at the sampling point
- Zone 20,21,22 and Zone 0,1,2 according to ATEX

Process temperature

- up to 550 C°, other on request

Technical characteristics of sample line RSL:

❑ With self-regulating heating trace

- The length of the line freely assembled up to 100m, Other on request

Mounting

- Any application
- Zone 20,21,22 and Zone 0,1,2 according to ATEX

Ambient temperature:

- Directly in the process at the sampling point -20 up to 60°C

Further information on request!

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