

Selection and Ordering Data

Order No.

Cannot be combined

FLK (liquid/air cooling) gas sampling system

for rotary cement kilns.
Compact design with heat transfer liquid cooling.
Suitable for gas temperatures up to a maximum of 1400 °C and dust loads up to 2000 g/m³
Operating temperature of coolant circuit up to a max. of 220 °C.
Consisting of:

- Gas sampling probe
- Dust filter
- Automatic retraction unit with electrical and pneumatic drive
- Backflushing equipment with condensation removal
- Liquid/air heat exchange unit
- Mounting accessories

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Control and monitoring unit

Fully wired and mounted in wall cabinet
Dimensions (W x H x D): 1000 x 1400 x 300 mm
Functions:

- Controlling removal of dust from probe and dust filter
- Automatic probe retraction, time-controlled or in the event of a fault
- Monitoring, processing and displaying sampling system fault and operational messages

- Without control and monitoring unit
- Control and monitoring unit with SIMATIC S7-300
- Control and monitoring unit with Schneider Quantum
- Control and monitoring unit with Allen Bradley CPU SLC 5/04
- Control and monitoring unit with Allen Bradley CPU SLC 5/05 and analog input

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Sampling probe

Made from stainless steel 1.4571
With side sampling opening
Standard lengths: 1000, 1500, 2000, 2500 and 3000 mm immersion depth
Special lengths on request

- Without sampling probe
- Sampling probe 2500 mm; sampling opening on right
- Sampling probe 2500 mm; sampling opening on left
- Sampling probe 3000 mm; sampling opening on right
- Sampling probe 3000 mm; sampling opening on left
- Sampling probe 1000 mm; sampling opening on right
- Sampling probe 1000 mm; sampling opening on left
- Sampling probe 1500 mm; sampling opening on right
- Sampling probe 1500 mm; sampling opening on left
- Sampling probe 2000 mm; sampling opening on right
- Sampling probe 2000 mm; sampling opening on left

A
B
C
D
E
F
G
H
J
K
L

Automatic oven flap

- Without
- With

A
B

Power supply

- 230 V/50 Hz
- 115 V/60 Hz
- 115 V/50 Hz
- 230 V/60 Hz

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Documentation

- English
- German

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Backflushing equipment with condensation removal

- Condensation remover integrated into backflushing equipment
- Condensation remover (to be ordered separately) for mounting on analysis cabinet

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