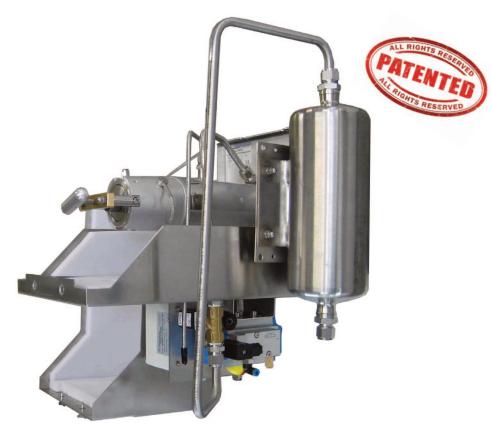
JES-360H Gas Sampling Probe 315°C for Pre-Filter Back Flush



APPLICATION

- Representative continuous gas sampling in processes containing high dust and humidity
- · Extractive gas analysis
- · Emission (CEMS) and process monitoring
- · Removal of dust from the sample gas

BENEFITS

- · Cost-optimized solutions
- No condensation or chemical reactions of sample gas
- · Convenient filter replacement
- · Low maintenance
- · Safe unattended operation
- · Easy start-up
- · Even for high dust concentrations
- · Reliable protection of the analyzer system
- · Long filter lifetime

FEATURES

- Modular design for custom-tailored applications
- · Highly efficient filter cleaning
- · Homogeneous heating without cold spots
- · Large active filter surface
- · Filtration from outside to inside
- · Filter element change without tools
- Different material of filter elements
- Electronic temperature controller including over temperature protection
- Temperature status contact
- · Weather protection housing
- · Various options and upgrades
- · Wide range of accessories
- Integrated back flush / back purge controller (option)





Gas Sampling Probes

Heated Sample Lines

Sample Gas Coolers

Condensate Treatment

Accessories

Gas Conditioning Systems

Sample Gas
Converters

TECHNICAL DATA

stationary gas sampling probe for pre-filter back flush

| Model | JES-360H |
|-------|----------|
| | |

Description

| | er set values -30 K / +20 K fixed to set point | | | | | |
|---------------------------|--|--|--|--|--|--|
| Temperature | 180 °C (ex works), adjustable 5 °C to 315 °C | | | | | |
| Status limiter set values | -30 K / +20 K fixed to set point | | | | | |
| Operating pressure | max. 2 bara (max. 7 bara optional) | | | | | |
| Mounting position | 5° to 15° incline (recommended), torsion angle max. 45° | | | | | |
| Heating-up time | < 1 h | | | | | |
| Ambient temperature | for start-up −20 °C to 60 °C for continuous operation −30 °C to 60 °C | | | | | |

Construction

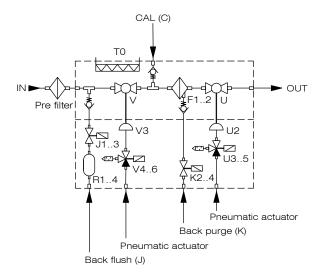
| Dimensions over all (W x H x D) | 375 x 418 x 449 mm |
|--|---|
| Dimensions connection box (W x H x D) | 120 x 160 x 90 mm |
| Filter element | |
| Active filter surface | 170 cm ² |
| Mounting flange | DN 65, PN6; form A according to EN 1092-1; SS316L or 2" ANSI 150 lbs; according to ASME B16.5 |
| Sample gas inlet | G 3/4" female thread |
| Sample gas outlet | 1/8" NPT female thread |
| Calibration gas connection (feature C) | pipe 6 mm, SS316 |
| Back purge connection (feature K) | pipe 6 mm, SS316 |
| Connection pre-filter back flush (feature J) | NPT 3/8" female thread |
| Gas wetted materials | SS316L, ceramic, Perlast® |
| Protection class | connection box IP65, probe IP43 |
| Weight | approx. 15 kg, depending on options |
| Weather protection housing | SS304, thermal insulated, colour stainless steel natural |
| Approvals / Signs | CE |

Electrics

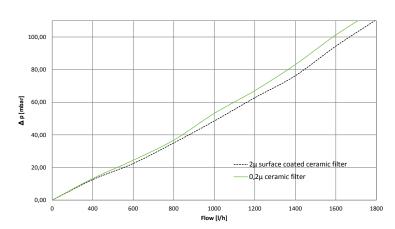
| Power supply | 230 VAC 50 Hz or 115 VAC 60 Hz |
|---|---|
| Power consumption | approx. 805 VA |
| Temperature controller / Sensor | electronic / PT100 (IEC-751) |
| Electrical connection | spring type terminals, clamping range 0,08 to 2,5 mm ² |
| Switching capacity status contact (volt free) | 230 VAC / 2 A, min. 5 VDC / 5 mA |

FLOW CHART

This flow chart inlcudes all possible options.

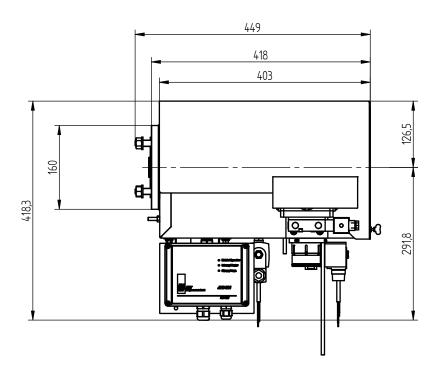


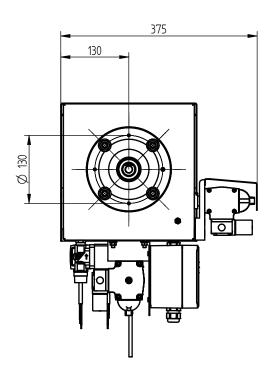
Pressure characteristics in dependence of the gas flow (for new filter element and 20 $^{\circ}\text{C})$



DIMENSIONS

Dimensions in mn





ORDER CODE

Scope of delivery: sampling probe, mounting material, flange gasket, gasket for sampling pipe, operating manual

Basic model pre-filter back flush with non-return valve (not for option V0)

includes weather protection housing

temperature controller 315 °C (adjustable)

Available Features

| ange | DN65/PN6 FF | Z1 | | | | | | | | | |
|---|---|-----------|----|----|----|----|----|----|----|----|----|
| | 2" ANSI RF | Z2 | | | | | | | | | |
| lter | 2 μm ceramic | | F1 | | | | | | | | |
| | 0,2 µm ceramic surface coated | | F2 | | | | | | | | |
| Power supply | 230 VAC 50/60 Hz with temperature controller | | | X1 | | | | | | | |
| | 115 VAC 50/60 Hz with temperature controller | | | X2 | | | | | | | |
| | 230 VAC 50/60 Hz with junction box | | | X3 | | | | | | | |
| | 115 VAC 50/60 Hz with junction box | | | X4 | | | | | | | |
| rocess shut-off ball valve | without shut-off ball valve and without pre-filter back flush | | | | V0 | | | | | | |
| | without shut-off ball valve | | | | V1 | | | | | | |
| | with manual operation | | | | V2 | | | | | | |
| - | with pneumatic actuator | | | | V3 | | | | | | |
| | with pneumatic actuator and pilot valve 24 VDC | | | | V4 | | | | | | |
| | with pneumatic actuator and pilot valve 115 VAC | | | | V5 | | | | | | |
| | with pneumatic actuator and pilot valve 230 VAC | | | | V6 | | | | | | |
| | with electric actuator, 230 VAC | | | | V7 | | | | | | |
| ack purge valve / Port sample probe filter | without | | | | | KO | | | | | |
| | back purge port with non-return valve | | | | | K1 | | | | | |
| | back purge port with non-return valve 24 VDC | | | | | K2 | | | | | |
| | back purge port with non-return valve 115 VAC 50/60 Hz | | | | | K3 | | | | | |
| | back purge port with non-return valve 230 VAC 50/60 Hz | | | | | K4 | | | | | |
| re-filter back flush valve | without | | | | | | J0 | | | | |
| | 24 VDC | | | | | | J1 | | | | |
| | 115 VAC 50/60 Hz | | | | | | J2 | | | | |
| | 230 VAC 50/60 Hz | | | | | | J3 | | | | |
| olation ball valve probe outlet | without | | | | | | | U0 | | | |
| | | | | | | | | U1 | | | |
| with manual operation with pneumatic actuator | | | | | | | | U2 | | | |
| | with pneumatic actuator and pilot valve 24 VDC | | | | | | | U3 | | | |
| | with pneumatic actuator and pilot valve 115 VAC | | | | | | | U4 | | | |
| | with pneumatic actuator and pilot valve 230 VAC | | | | | | | U5 | | | |
| | with electric actuator, 230 VAC | | | | | | | U6 | | | |
| Air accumulator | without | | | | | | П | | R0 | | |
| | air accumulator 2 l | | | | | | | | R1 | | |
| | air accumulator 5 l | | | | | | | | R2 | | |
| | air accumulator heated 2 l | | | | | | | | R3 | | |
| | air accumulator heated 5 l | | | | | | | | R4 | | |
| Mounting hole for mounting clamp | for heated sample line 35-50 mm | | | | | | | | | М1 | |
| J | for heated sample line 58-61 mm | | | | | | | | | M2 | |
| Connection ports | inch | | | | | | | | | Ī | A1 |
| | metric | | | | | | | | | | A2 |
| dditional Options | | | | | | | | | | | Ī |
| thers | calibration port with non-return valve | | | | | | | | | | |
| | | | | | | | 1 | | | | |
| | with back flush / back purge controller | | | | | | | | | | |

JCT Analysentechnik GmbH offers a wide range of accessories. Please refer to seperate data sheets for further information.



Subject to change without notice page 4 PDS_E_JES360H_v4.3