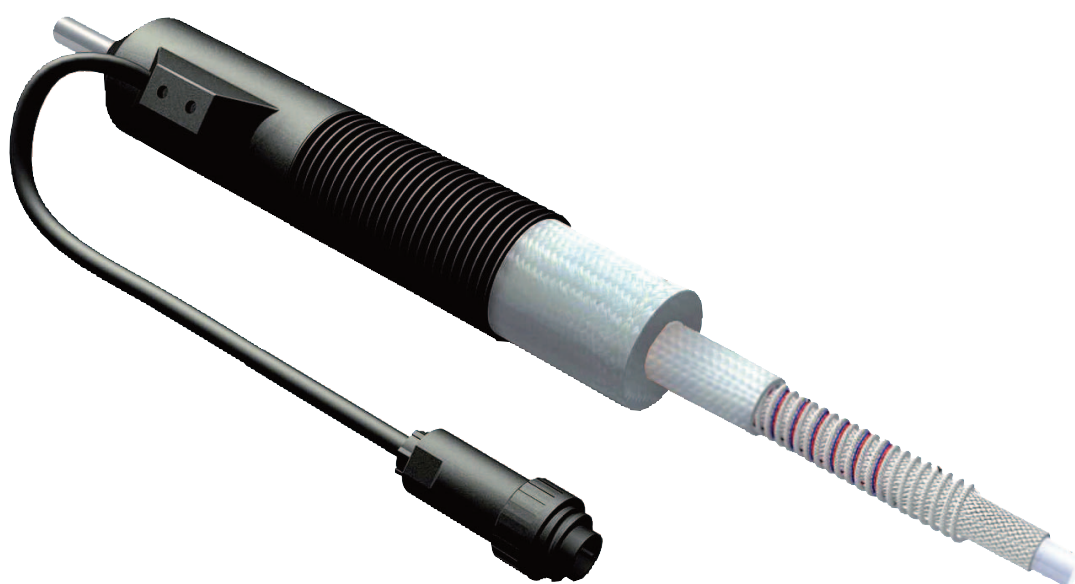




JCT
Analysentechnik

JH3F & JH3FR Heated Sample Lines with PA-Corrugated Hose



Gas Sampling
Probes

Heated Sample Lines

Sample Gas
Coolers

Condensate
Treatment

Accessories

Gas Conditioning
Systems

Sample Gas
Converters

APPLICATION

- Extractive gas analysis
- Emission and process monitoring
- Transport of sample gas from sample point to analysis system
- To stay safely above the acid dew point
- Protection against measured value falsification and frost
- Indoor and outdoor use

BENEFITS

- No condensate formation, no freezing
- Robust external protection
- Excellent insulation
- Optimal heat deployment
- Customer-specific executions
- Easy exchange of the inner core (JH3FR)
- Long lifetime
- Kink protection

FEATURES

- Regulated heatable to max. 200 °C
- External protection corrugated jacket of Polyamide
- Heat insulation with thermo fleece
- Ready for use
- Interchangeable inner core for JH3FR
- Second core for e.g. calibration gas as option
- Inner core reinforced with stainless steel braid

TECHNICAL DATA

Model	JH3F	JH3FR
Description	regulated heated sample line	
External protection jacket	corrugated polyamide jacket, black	
Inner core	fixed	interchangeable
Area of application	mobile and fixed installation indoor and outdoor	

Operation data

Operating temperature	max. 200 °C
Operating pressure	max. 10 bara
Ambient temperature*	-30° to +60 °C

Construction

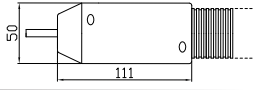
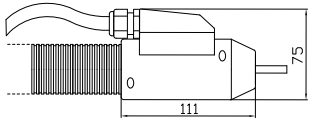

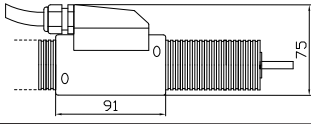
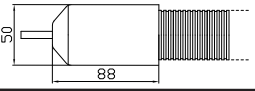
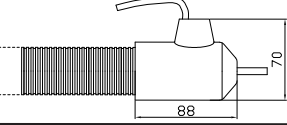
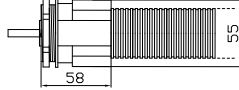
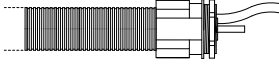
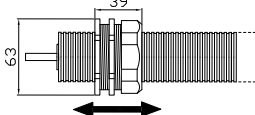
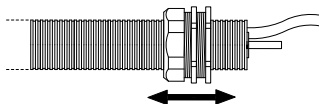
Material inner core	PTFE, optional PFA	
Heating element	design according to DIN moisture proof with protection braid	
Thermal insulation	thermo fleece	
End configuration	PA hard caps, silicone caps, PG36 or PG42 (see table below)	
Maximum sample line length*	50 m	
Diameter core / sample line outside	DN 4/6 mm / 42 mm DN 6/8 mm / 42 mm	
Minimum bending radius JH3F / JH3FR	DN 4/6 mm: 100 mm / 150 mm DN 6/8 mm: 150 mm / 200 mm	
Dimensions of silicone caps	DN 4/6: L = 88 mm, Ø 50 mm (H), Ø 70 mm (C) DN 6/8: L = 88 mm, Ø 50 mm (H), Ø 70 mm (C)	
Dimensions of PA hard caps	DN 4/6: L = 111, Ø 50 (F), Ø 75 (A/B) DN 6/8: L = 111, Ø 50 (F), Ø 75 (A/B)	DN 4/6: L = 111, Ø 50 (F), Ø 75 (A/B) DN 6/8: L = 120, Ø 54 (F), Ø 79 (A/B)
Protection class	IP44 (EN60529)	

Electrics

Power supply	230 VAC 50/60 Hz or 115 VAC 50/60 Hz
Power consumption	100 W/m
Connection cable	3 m
Connection plug	7-pole plug for connection of temperature controller HT-43 and HT-55 HANQ8-plug for connection of temperature controller HT-41

* To achieve extended length **JCT** offers heated lines with reduced power (W/m) or with a second heating circuit. For lower ambient temperatures versions with higher performance are available. Please consult **JCT** sales team.

End configuration of sample line

Without electrical connection (side 2)		With electrical connection (side 1)		Type	JH3F	JH3FR
F			A	Hard cap	p	p
					RSL	
G			B	Hard cap (stepped)	p	p
					RSL	
H			C	Silicone cap	p	p
					RSL	
I			D	PG36	p	p
					RSL	
J			E	movable PG42	p	p
					RSL	

JH3F with non interchangeable inner core JH3FR with interchangeable core
 p = PTFE core, 200 mm protruded RSL = Stainless steel stubs, 30 mm long

