

Heated Sample Line JH3F and JH3FR



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GmbH

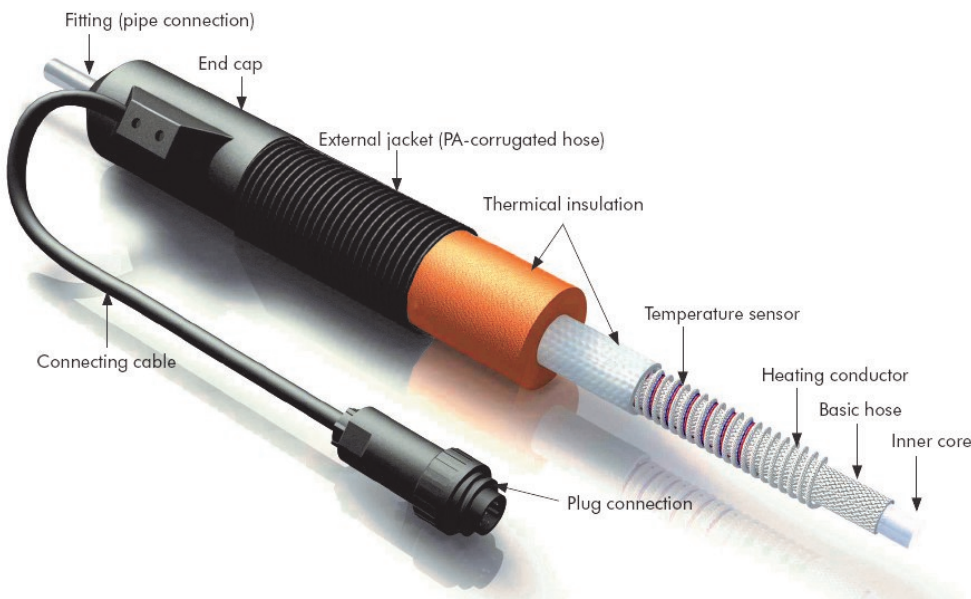
Gas Sampling
Probes

Heated Sample Lines

Sample Gas
Coolers

Gas
Converters

Accessories



APPLICATION

- For extractive gas analysis
- For emission and process monitoring
- Transports sample gas unchanged to sample conditioning unit
- For indoor and outdoor use
- For mobile and stationary applications

OPERATION

- Heated up to 200 °C
- Easy replacement of inner core (JH3FR)
- No condensation
- Optional with additional calibration core

FEATURES

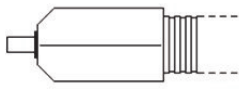
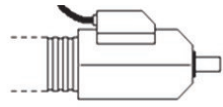

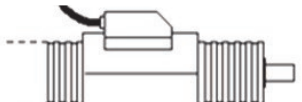


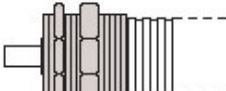

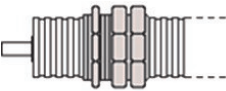
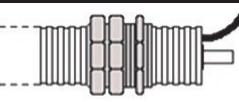
- PA-corrugated hose external protection
- Thermal insulation with thermovlies
- End configuration with PA-hard caps or silicone caps
- JH3FR with replaceable inner core

BENEFITS

- Robust construction
- Excellent insulation
- Customer-specific design and production
- Optimal heat deployment
- Long lifetime



TECHNICAL DATA

Specification of end configuration				see note	see note	
Side 2 (without power cord)		Side 1 (with power cord)		Type	JH3F	JH3FR
F			A	hard cap	p RSL	p
G			B	hard cap (stepped)	p RSL	p
H			C	silicone cap	p RSL	p
I			D	PG36	p RSL	p
J			E	moveable PG42	P RSL	P

Note: p ... PTFE inner core 200 mm protruded
RSL ... SS 316 stubs, tube connector

JH3F with non replaceable PTFE inner core
JH3FR with replaceable PTFE inner core

DIMENSIONS OF HARD CAPS

NON REPLACEABLE INNER CORE - TYPE JH3F

Diameter of heated hose	Length	Outer diameter without power cord (Type F)	Outer diameter with power cord (Type A und B)
DN 4/6 mm	110 mm	51 mm	75 mm
DN 6/8 mm	110 mm	51 mm	75 mm

REPLACEABLE INNER CORE - TYPE JH3FR

Diameter of heated hose	Length	Outer diameter without power cord (Type F)	Outer diameter with power cord (Type A und B)
DN 4/6 mm	110 mm	51 mm	75 mm
DN 6/8 mm	120 mm	54 mm	79 mm

DIMENSIONS OF SILICONE CAPS

NON REPLACEABLE INNER CORE - TYPE JH3F

Diameter of heated hose	Length	Outer diameter without power cord (Type H)	Outer diameter with power cord (Type C)
DN 4/6 mm	89 mm	46 mm	66 mm
DN 6/8 mm	89 mm	46 mm	66 mm

REPLACEABLE INNER CORE - TYPE JH3FR

Diameter of heated hose	Length	Outer diameter without power cord (Type H)	Outer diameter with power cord (Type C)
DN 4/6 mm	89 mm	46 mm	66 mm
DN 6/8 mm	89 mm	46 mm	66 mm

SPECIFICATIONS

Operating temperature	Max. 200 °C
Max. operating pressure	10 bar
Ambient temperature	-40 °C - +60 °C
Application	Mobile and fixed installation indoor and outdoor
Inner core	PTFE; Optional: PFA
Heating conductor	Construction according to DIN, protected against humidity, with braided protection
Thermal isolation	Thermovlies
Outer protection	PA corrugated hose
End configuration	Hard caps, Silikone caps, PG36 or PG42 (see above)

SPECIFICATIONS

Power cord	3 m long with 7-pin connector
Connector types	7-pin connector for connection of temperature controller HT43 and HT55 HANQ8-connector for connection of temperature controller HT41
Power supply	230 VAC or 115 VAC
Power consumption	100 W/meter
Length	Up to 50 m
Outer diameter	DN 4/6 mm: 42 mm DN 6/8 mm: 42 mm
Minimum bending radius JH3F / JH3FR	DN 4/6 mm: 50 mm / 100 mm DN 6/8 mm: 75 mm / 120 mm

ORDER CODE

ORDER CODE JH3F									
Temperature sensor PT100									2
Temperature sensor PT100 + limiter									3
Temperature sensor NiCr-Ni type K									4
2 x Temperature sensor PT100									9
Outer protection PA corrugated hose								3	
Without endconfiguration, core 200 mm protruded								0	
Stainless steel stubs approx. 30 mm long								6	
Length in dm (e.g.: 10 m = 100; 4,5 m = 045)							XXX		
Diameter DN 4/6 mm									4
Diameter DN 6/8 mm									6
PTFE core									PTFE
PFA core									PFA
Power supply 230 VAC / 50-60 Hz									2
Power supply 115 VAC / 50-60 Hz									1
End configuration side 2 (without power cord)									F
End configuration side 2 (without power cord)									G
End configuration side 2 (without power cord)									H
End configuration side 2 (without power cord)									I
End configuration side 2 (without power cord)									J
End configuration side 1 (with power cord)									A
End configuration side 1 (with power cord)									B
End configuration side 1 (with power cord)									C
End configuration side 1 (with power cord)									D
End configuration side 1 (with power cord)									E
Without calibration core									0
Calibration core 2/3 mm									2
Calibration core 4/6 mm									4

Order code

JH3F

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ORDER CODE

ORDER CODE JH3FR									
Temperature sensor PT100	2								
Temperature sensor PT100 + limiter	3								
Temperature sensor NiCr-Ni type K	4								
2 x Temperature sensor PT100	9								
Outer protection PA corrugated hose		3							
Without endconfiguration, core 200 mm protruded			0						
Length in dm (e.g.: 10 m = 100; 4,5 m = 045)				XXX					
Diameter DN 4/6 mm					4				
Diameter DN 6/8 mm					6				
PTFE core						PTFE			
PFA core						PFA			
Power supply 230 VAC / 50-60 Hz							2		
Power supply 115 VAC / 50-60 Hz							1		
End configuration side 2 (without power cord)								F	
End configuration side 2 (without power cord)								G	
End configuration side 2 (without power cord)								H	
End configuration side 2 (without power cord)								I	
End configuration side 2 (without power cord)								J	
End configuration side 1 (power cord)									A
End configuration side 1 (power cord)									B
End configuration side 1 (power cord)									C
End configuration side 1 (power cord)									D
End configuration side 1 (power cord)									E
Without calibration core									0
Calibration core 2/3 mm									2
Calibration core 4/6 mm									4

Order code

JH3FR

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Specification subject to change without notice.

PDS_E_HH_JH3F_v2.0

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