

- Sampling Conditioning Systems
- Process Analytics
- System Integration
- Gas Generators
- FTIR-Analysers

heated lines

## HEATED LINES

Series JHF with PTFE Core and SS 316 end fittings  
Series JHFR with replaceable PTFE or PFA core



**Model JHF sample line** features a **smooth PTFE or PFA core** covered with stainless steel reinforced braid. The heating element is a nickel alloy wire, either with PTFE or silicone rubber isolation, spiral wound to extremely close tolerance, providing optimum temperature uniformity. The core assembly is thermally insulated with reinforced thermovlies. The standard external jacket is made of corrugated PA6. The jacket is very flexible, light, abrasion resistant, flame retardant and treadproofed.

The line comes as a standard with a thermocouple Type K. End fittings are SS 316 tubing for compression fittings without a transition to the PTFE core. The power/control cable is supplied in a standard 3 meter length and is terminated with a 7-pin connector. One end of the heated line is capped with a **PG** panel mounting screw and the other end is capped with a **Hard-Cap** made from reinforced polyamid/fiberglass. Series JHF hoses must be controlled to maintain the desired operating temperature. A temperature sensor is installed during construction and, unless otherwise specified, will be installed 0.5 meter from the power end of the hose.

### Technical Data

Operating Temperature:	max. 200°C
Core Material:	PTFE or PFA
Length:	up to 50 meter
Heater Element:	according DIN, moisture proof, with safety braid
Temperature Sensor:	Type K or J or PT100
External Jacket:	Corrugated PA6
End Cap:	1 x PG36 or PG42 and 1x Hard Cap with pullrelief
Power Supply:	230VAC or 115VAC
Power Density:	100W/meter
Test Voltage:	2000V; Heater element and Ground
Test Mark:	SEV TP 20 B/3A, 1982
Power/control Cable:	Standard length is 3m



### Model JHF

Tube Size:	DN 4, 6, 8, 10 mm ID
Outside Diameter:	40mm for DN 4 and 6
Bending Radius:	100mm for DN 4 and 6 150mm for DN 8 and 10
End Fitting:	SS 316 Tube for compression fitting

### Model JHFR

Tube Size:	DN 4 and 6mm ID
Outside Diameter:	45mm for DN 4 and 6
Bending Radius:	150mm
End Fitting:	PTFE or PFA core, on each end 100mm protruded

### How To Order

Series JHF or JHFR plus Tube Size, length in dm and Temperature Sensor

### Typical Applications

Stack Gas, Mobile Applications, Engine Emissions, NOx, SOx, THC, VOC, HCL-Measurement, Process Lines

Specification subject to change without notice.

PDS\_E\_HH\_Analytic\_08/05\_Rev.2

