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

heated hoses

Heated hose with integrated filter JHAF

FEATURES

- ◆ Customized construction
- ◆ Robust construction
- ◆ Excellent insulation
- ◆ Flexible outer protection
- ◆ Long lifetime
- ◆ With non replaceable or replaceable core
- ◆ Filter of sintered metal or Schumalith®
- ◆ Calibration gas port (option)

APPLICATION

Analytical heating hose systems with integrated filter are a further development of the previously separate systems, heated hose and heated filter section.This version has been designed primarily for use with portable measuring equipment. For this purpose, special attention has been placed on a light and flexible design. The heated hose is available in different constructions and manufactured according to customer's specifications.

TECHNOLOGY

The heated filter can be adjusted to all heated hoses delivered by JCT. The filter housing consistes of SS 316Ti. Versions in Hasteloy or with PTFE coating are also possible. The heated hoses can be connected to all governor types of JCT. The integral system HTI is preferred. Temperature recording for all other control systems takes place on the filter housing.

Optionally bulit-in are a calibration gas inner core and additional control lines.

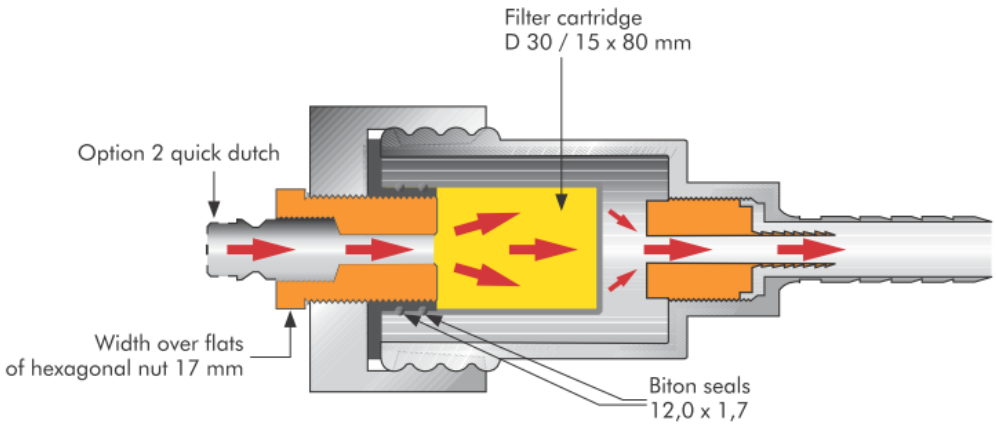
FEATURES

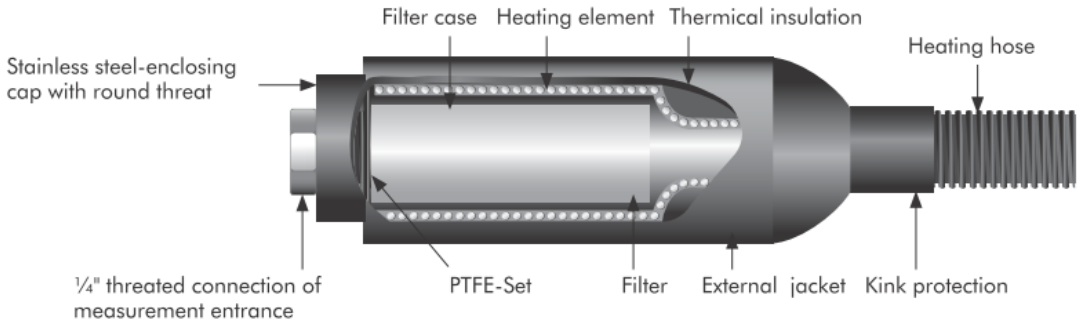
The electrical and thermal construction of the heated hose allows operating temperatures of up to 200°C. JCT can offer a multitude of end configurations for, which ensure easy integration in an existing analysis system.

Some models feature a replaceable inner core, which allow an easy replacement at site in the case of contamination.

Typical applications for the heated hose series JHAF are emission and process monitoring for mobile application.

TECHNICAL DATA





SPECIFICATIONS	
Operating temperature	Max. 200°C
Max. operating pressure	10 bar
Ambient temperature	-40°C - +120°C
Application	Mobile and fixed installation indoor and outdoor
Core Material	PTFE; Optional: PFA
Filter housing Option	SS 316Ti Hasteloy, PTFE coating
Heating wire	Construction according to DIN, protected against humidity, with braided protection
Thermal insulation	Close pore, waterproof silicone hose
External jacket	PA braid, black PA corrugated hose
End configuration	Hard caps or silicone caps

SPECIFICATIONS	
Feed cable	3 m long with 7-pin connector
Connector type	7-pin connector for connection of temperature controller HT43 and HT55 Optional 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 Non replaceable core Replaceable core	 DN 4/6 mm: 32 mm +/- 3 mm DN 6/8 mm: 42 mm +/- 3 mm DN 4/6 mm: 42 mm +/- 3 mm DN 6/8 mm: 48 mm +/- 3 mm
Minimum bending radius JH3FG / JH3FGR	DN 4/6 mm: 50 mm / 100 mm DN 6/8 mm: 75 mm / 120 mm

JCT Analysentechnik GmbH
Werner Heisenberg-Straße 4 A-2700 Wiener Neustadt
Tel. +43 (0) 2622 / 87201 Fax +43 (0) 2622 / 872011
E-Mail: sales@jct.at Web: www.jct.at