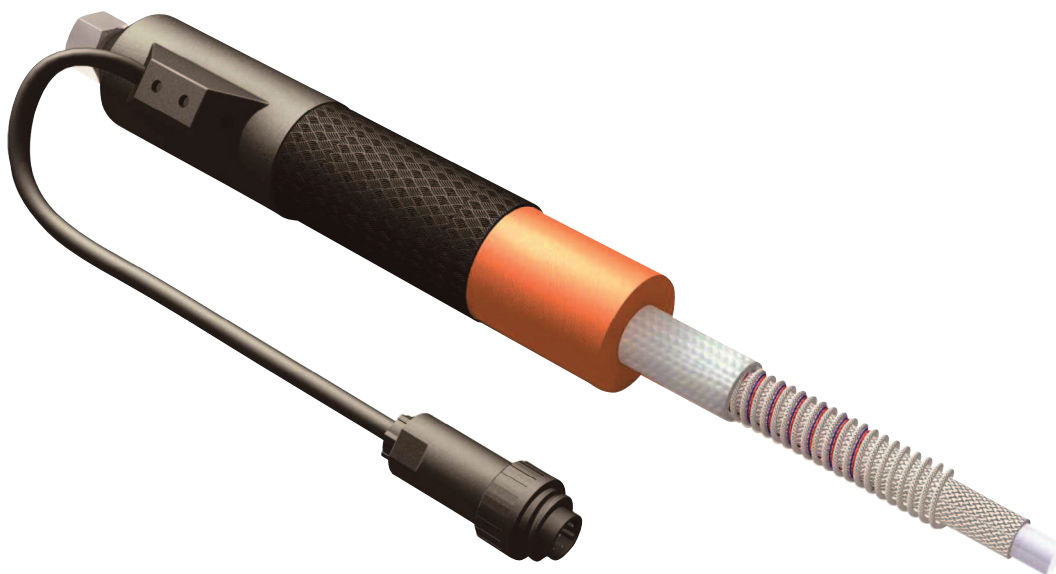




JCT
Analysentechnik

JH-800 Heated Line for Co-Extrusion



Gas Sampling
Probes

Heated Sample Lines

Sample Gas
Coolers

Condensate
Treatment

Accessories

Gas Conditioning
Systems

Sample Gas
Converters

APPLICATION

- Flexible connection hose between co-extruder and tool
- For transportation of various plastic materials in liquid phase

BENEFITS

- Replaces rigid connections and many single connection elements, which would need extra heating, insulation and control
- Considerably easier exchange of tools
- Significantly lower maintenance effort
- Compensation of thermal expansion and vibrations

FEATURES

- Operating temperature max. 250 °C
- Operating pressure up to 286 bara
- Outer protection: polyamid braid, black
- Inner core: PTFE pressure hose
- Connection fitting made of stainless steel, conical and polished inside to prevent material deposits
- Inner diameters: 8 to 20 mm
- Thermal insulation with silicone foam
- Loose and fixed flange according to DIN and ASA possible

TECHNICAL DATA

Model

JH-800

Description	heated line for co-extrusion
External protection	polyamid braid, black
Area of application	flexible connection between co-extruder and mould

OPERATION

Operating temperature	max. 250 °C
Operating pressure*	max. 286 bara

CONSTRUCTION

Inner core	PTFE pressure hose
Fitting material	SS420 (SS303 or SS316Ti as option) loose and fixed flange according to DIN or ASA possible
Thermal insulation	close pore, waterproof silicone hose, thermally stabilised
End configuration	polyamid hard caps or elastomer caps
Manufacturing length	0.3 to 40 m
Diameter inner core	8 / 10 / 12 / 16 / 20 mm
Protection class	IP 54 (EN60529), class I
Weight	approx. 1000 g/m
Min. bending radius in operation [mm]	DN 8: 170 / DN 10: 220 / DN 12: 300 / DN 16: 175
Approvals / Signs	CE

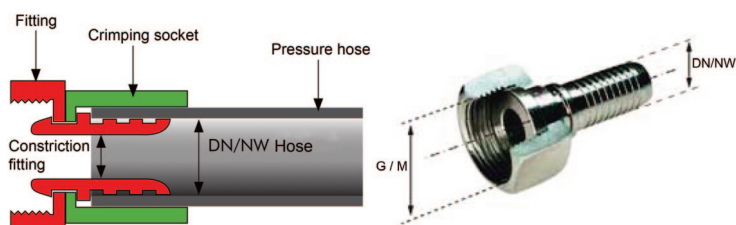
ELECTRICS

Power supply	230 VAC 50/60 Hz or 115 VAC 50/60 Hz +5 %/-10 %
Nominal capacity heat power [W/m]	DN 8: 140 / DN 10: 160 / DN 12: 200 / DN 16: 260 / DN 20: 330
Connection cable	3 x 1.5 mm ² , 1.5 m long
Temperature sensor	Fe-CuNi Typ J, NiCr-Ni Typ K, PT100 and integral control system (HTI) possible

DIMENSIONS

Special length and dimensions on request

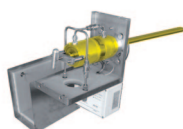
DN / NW hose mm	Constriction mm	Union nut inch		Union nut metric		Max. operating pressure 250 °C bara
		Dimension	Length of thread [mm]	Dimension	Length of thread [mm]	
8	6,0	G 3/8"	12	M 16 x 1,5	12	286
10	7,5	G 1/2"	14	M 18 x 1,5	12	286
12	10,0	G 1/2"	14	M 22 x 1,5	14	271
16	12,5	G 3/4"	16	M 26 x 1,5	16	241
20	16,0	G 1"	18	M 30 x 1,5	16	181



The specified hose length is determined as follows:

- 1) for heated hoses with fittings - the heated hose length including the fittings
- 2) for heated hoses without fittings - the heated hose length including the end terminations
- 3) for heated hoses with core projection - the heated hose length including the end terminations (if necessary incl. fitting), the projection is shown separately the length tolerance is +/- 2 % without special specification and refers to a temperature of 22 °C, operational changes in length (pressure, temperature...) are not covered by this specifications

Gas Sampling Probes



Heated Sample Lines



Sample Gas Coolers



Gas Conditioning Systems



NOx Converter



and solutions for

