



Heated analysis and frost protection lines series HL



Benefits

- Reliable analysis due to heating up to max. 200 °C
- Excellent insulation, low energy consumption, low heat loss
- Robust, resistant, suitable for thermal load
- Ready-to-connect with wire ferrules
- Outer jacket with high chemical resistance and UV protection

Application

Electrically heated gas lines are used in gas analysis systems to transport gas samples from the sampling point to the gas treatment system and to keep the temperature from falling below the dew point. A temperature controller maintains a constant temperature.

Self-controlling heated gas lines are used as frost protection lines in gas analysis systems. They do not require a separate controller.

Versions

	Part no.
Analysis line HL 4 heated	61500
Analysis line HL 6 heated	61502
Analysis line HLA 4 heated	61504
Analysis line HLA 6 heated	61506
Analysis line HLE 4 heated	61510
Analysis line HLE 6 heated	61512
Analysis line HLAE 4 heated	61514
Analysis line HLAE 6 heated	61516
Frost protection line HLFR 4 heated	61520
Frost protection line HLFR 6 heated	61522

Blue part no. = in-stock items



Description

Electrically heated analysis lines are made to customer specifications in different versions. The analysis line consists of several layers. The outer material is a corrugated polyamide hose with a thermal insulation layer at the inside (thermal fleece). The inside of the analysis line consists of a PTFE hose to transport the gas to be measured, a heating cable and a metal jacket to protect against damage. The PTFE is replaceable and available in various diameters (DN 4 / DN 6). The heated analysis lines feature end pieces (silicone cap), a Pt 100 sensor (with the exception of the frost protection line) and a 2 m connection line with wire ferrules.

Technical specifications

Heating capacity, specific

Analysis line: 100 W/m at T = 10 °C

Frost protection line: 30 W/m at T = 10 °C

Sensor

Analysis line: Pt100, 2-Leiter

Operating temperature

Analysis line: Max. 200 °C

Frost protection line: Max. 45 °C

Supply voltage

AC 230 V, 50 Hz

Electrical connection

Connection cable: 2 m, Wire ferrules

Material

Carrier: PTFE

Jacket: PA 12

Dimensions

Carrier

DN 4: 4/6 mm

DN 6: 6/8 mm

Jacket

∅ outside: Approx. 43 mm