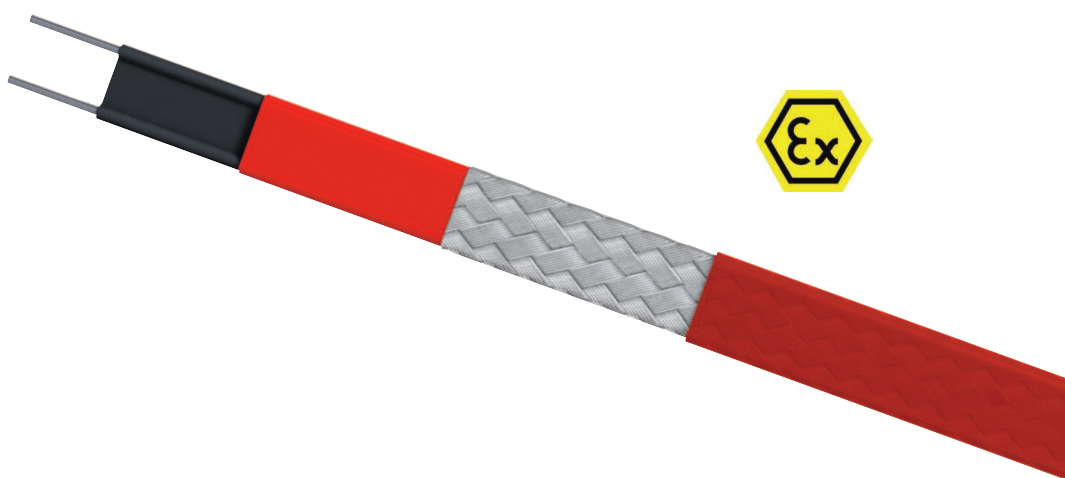




JH3TH

High Temperature Tape Heater

JCT
Analysentechnik



Gas Sampling
Probes

Heated Sample Lines

Sample Gas
Coolers

Condensate
Treatment

Accessories

Gas Conditioning
Systems

Sample Gas
Converters

APPLICATION

- Chemical & petrochemical industries
- Oil & gas industry
- Power plants
- Ex areas
- Frost protection
- Water & sanitation utilities
- Temperature maintenance on vessels, pipes & valves

BENEFITS

- For high temperatures
- Self-regulating
- Three nominal outputs
- Can be cut to length off the roll
- Moisture proof
- Resistant to chemicals
- Approved for use in hazardous areas

FEATURES

- For temperatures up to 120 °C / 210 °C
- Installation in Zone 1, 2 or 21, 22
- Maintain temperature up to 120 °C

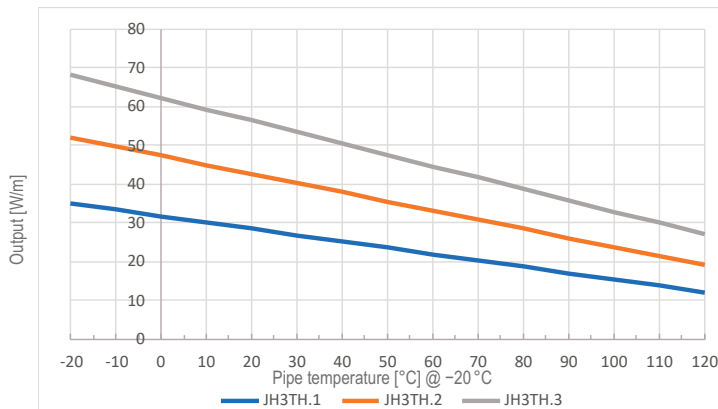
TECHNICAL DATA

Model

JH3TH

| | |
|----------------------------------|---|
| Description | high-temperature, self-regulating tape heater for Ex zones |
| External jacket | TPE-O Fluoropolymer |
| Bus wire | Nickel plated copper |
| Exposure temperature (shut down) | max. 210 °C |
| Exposure temperature (operation) | max. 120 °C |
| Minimum bending radius | 25 mm |
| Installation temperature | min. -45 °C |
| Dimensions | 12,4 x 5,0 mm |
| Weight | 120 g/m |
| Power supply | 230 VAC 50/60 Hz +/-10 %, 120 VAC on request |
| Type of protection system | <p style="text-align: center;">⚠ IBExU II 2G Ex e IIC T3 Gb II 2D Ex tb IIIC TX Db</p> <p style="text-align: center;">⚠ IBExU II 2G Ex e IIC T4 to T6 Gb II 2D Ex tb IIIC TX Db (stabilized design)</p> |
| Type of protection connection | ⚠ IEPs II 2G Ex e IIC Gb II 2D Ex tb IIIC Db |
| Certificates | 12ATEX1429U, IECEx EPS 12.0004U |

RATED OUTPUT





| Start-up temperature | Fuse circuit breaker (A) | Heating circuit length (m) | | |
|----------------------|--------------------------|----------------------------|---------|---------|
| | | JH3TH.1 | JH3TH.2 | JH3TH.3 |
| 10 °C | 16 | 82,0 | 55,0 | 41,0 |
| | 20 | 102,0 | 68,0 | 51,0 |
| | 25 | 111,0 | 85,0 | 64,0 |
| | 32 | 111,0 | 91,0 | 79,0 |
| 0 °C | 16 | 77,0 | 52,0 | 39,0 |
| | 20 | 97,0 | 65,0 | 49,0 |
| | 25 | 108,0 | 81,0 | 61,0 |
| | 32 | 108,0 | 88,5 | 77,0 |
| -10 °C | 16 | 73,0 | 50,0 | 37,0 |
| | 20 | 92,0 | 62,0 | 46,0 |
| | 25 | 105,5 | 77,0 | 58,0 |
| | 32 | 105,5 | 86,5 | 70,0 |
| -20 °C | 16 | 70,0 | 47,0 | 36,0 |
| | 20 | 87,0 | 59,0 | 44,0 |
| | 25 | 103,0 | 74,0 | 56,0 |
| | 32 | 103,0 | 84,5 | 67,0 |

ORDER CODE

| Order code | Description |
|------------|--|
| 68.01100 | JH3TH with nominal thermal output 30 W/m at 10 °C, 230 VAC |
| 68.01110 | JH3TH with nominal thermal output 45 W/m at 10 °C, 230 VAC |
| 68.01120 | JH3TH with nominal thermal output 60 W/m at 10 °C, 230 VAC |

Accessories for safe area

Part Number

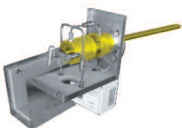
| | | |
|---|--|-----------------|
|  | Power connection kit cable gland M 25 x 1,5; PE | 68.00170 |
|  | Connection box, 260 x 160 x 90 mm, polyester enclosure | 68.00180 |

Accessories 

Part Number

| | | |
|---|---|------------------------|
|  | <p>Ex power connection kit cable gland M 25 x 1,5; PE</p> | <p>68.01070</p> |
|  | <p>Ex power connection kit cable gland M 20, brass</p> | <p>68.01071</p> |
|  | <p>Ex end termination kit</p> | <p>68.01072</p> |
|  | <p>Ex connection box for 1 tape heater, 122 x 120 x 90 mm, polyester enclosure</p> | <p>68.01080</p> |
|  | <p>Ex connection box for 1-3 heating cables, 1 x M25 (9-17 mm), 2 x threaded plug M 25, 1 x bore hole M 25</p> | <p>68.01081</p> |
|  | <p>Ex connection box for 1-3 heating cables, 1 x M 25 (8-17 mm), 2 x threaded plug M 25, 1 x bore hole M 25</p> | <p>68.01082</p> |

Gas Sampling Probes



Heated Sample Lines



Sample Gas Coolers



Gas Conditioning Systems



NOx Converter



and solutions for

