



Ex heating hoses according to EG-directive 94/9/EG (ATEX) (according to the holding temperature)

Instrument group II G / D for T-category (according to the holding temperature)

Heated cables of heating hoses are available resisting up to a temperature of 200°C. Heating hoses are used in different branches of industry. They are used in refineries or the petro industry, in the chemicals industry or in the pharmaceutical industry and also in measuring units for exhaust emissions.

The area classification falls to the user. He also circularizes the category of the instrument.

The metal hoses PA 11 are delivered with one or more pipes consisting of stainless steel or PTFE. All ignitable parts are conductive and linked up with a potential equalization.

To install our instruments you have to read the assembly instruction and manual carefully.

The instruments are constructed after EN 60079-14.1 / EN 60079-0 and other European norms.

You can find further information in our CE-declaration of conformity.

The corresponding assembly instruction is added every delivery automatically and must be read carefully!

Our products are supervised by the TÜV Hessen, which guarantees you a correct format.

The format with the pipe consisting of PTFE can be ordered by using the item number 1.0310000 and following.

The format with the pipe consisting of stainless steel can be ordered by using the item number 1.0320000 and following.

You can control with these serial numbers if you received the Ex-format.

Changes and repairs on the mentioned instruments are not allowed without the acceptance of the **SMB**. The data on our type plate are the base.

If these instruments are installed in another machine / construction, the new risks occurred by the installation will have to be judged by the producer of the new construction.

Because of technical requirements we reserve the right of probable change.



Technical data of the EX-heating hoses

Outer coating

Application :

Für hardous areas of zone 1/21 und 2 /22 (according ATEX 137)

Approval: SEV 05 ATEX 0105

Material: high-quality, specially formulated polyamide

Features:

> electrostatically dissipative

> indoor an outdoor work

> very good UV resistance

> high dynamic poxer rating

> high abrasion rstant

> hologen- und cadmium free

> very good chemical proberities

> Bending radius approx. 10xmm

Temperature range

-20 – 85° C für ATEX- Application continuously

Color: black

PTFE-Tube

Max. working temperature

+260 °C

Features:

> excellent chmical resistant

> spez. weight 2,15

> water absorption< 0,01 %

> **oxygen index** > 95 %

> **flammability** UL V-O

> corresponds to the rule EN 12115

> resistant value <10 Ohm

> Admixture 2.5% high purity carbon

SS - tube –optional-

There are materials in the qualities of 1.4404 and 1.4571, seamlessly. Used Stainless steel is antistatic and thus requires no approval

Heat trace

material

> we used only ATEX – approved heating cable
110 – 120 V or 220 V – 277 V AC

> We provide the specifications available

> The temperature range depends on the specifications of the manufacturer

> Basically, we use a outer coats with fluoropolymer and as braid of woven