



CRN TECNOPART, S.A.

Sant Roc 30
08340 VILASSAR DE MAR (Barcelona)
Tel 902 404 748 - 937 591 484 Fax 937 591 547
e-mail: crn@crntp.com [http:// www.crntecnopart.com](http://www.crntecnopart.com)



HEATING HOSES, SPECIAL MODELS

H 13 B SERIES SELF-LIMITING HEATING HOSE WITH IRREMOVABLE PTFE CORE

Self-limiting heating hoses regulate their heater power in accordance to the respective temperature levels. Thus, as soon as the desired temperature is reached, there will be no further heating-up and the value will be held persistently. In case that temperature differences occur in some sections of mounted heating hose, the heater power will be adapted section by section to the ambient temperature. The result is a homogeneous heating-up.



Technical data

max. length	: 100 m.
nominal diameter	: 4...8.
temperature	: 65 °C or 120 °C , to model
nominal voltage	: 230 Vca
outside diameter	: 42 mm
end caps	: with strain-relief and bend protection in PA 6 or silicone
outside protection	: polyamide 6 corrugated hose, flame-retardant, halogen-free
operating temperature	-40 °C to +120 °C, temporary +150 °C

	DN 4	DN 6	DN 8	DN 10	DN 12
Working pressure	18 bar	13 bar	20 bar	10 bar	6 bar
Minimum bending radius	200 mm	250 mm	300 mm	350 mm	400 mm

MINI HEATING HOSES



Mini heating hoses are heating hoses with especially small dimensions. They are used, for example, as connecting hoses in control cabinets as in control cabinets, as well as in the medical field, where heating hoses have to be sterilized and autoclavable. Especially thin and flexible inner cores (preferably PTFE cores, silicone-viton hoses, capillaries made of stainless steel and copper; for lower temperatures even plastic hoses made of PA, PP, PE, PVC ...)

Inner cores: max. Ø 8 mm, several cores are also possible

Outside diameter: max. 20 mm. Outside house: braided hose or uniform hose

Supply voltage: usually extra-low voltage, but also supply voltages

Power: dependent on the application

Temperature regulation: self-limiting or with integrated sensor for the connection to a HORST temperature regulator

Ends: silicone formed parts, shrink-fit caps and cast forms

Operating temperatures: up to 350 °C

HIGH-QUALITY INDUSTRIAL HOSES, VULCANIZED AND HEATED



This heating hose series differs completely from other HORST heating hoses.

Design

These heating hoses are manufactured on a thorn and winded. After the production procedure, the single layers are vulcanized and are then inseparable. The result is a very homogenous, flexible hose with great mechanical stability.

Materials

Materials that come into contact with the medium are chosen with reference to their stability against greases, chemicals and food. The outside layer fulfils the following requirements: ozone-resistant, abrasion-proof and conductive. A selection of the used materials: NR (natural rubber), SBR (styrol- butadiene rubber), NBR (butadiene-acrylnitril-rubber), EPDM (ethylene-propylene-diene-rubber).

Connections

It is appropriate to use the hose.

Heating

The working temperature, which can be adjusted, is determined by the application.

Application

In most industrial processes, chemical, food etc. ...

Are made to order Information required to be able to offer

- Power Supply
- Medium
- Diameter nominal
- Length
- Connections
- Working pressure
- Working temperature
- Application

HEATING HOSES FOR HAZARDOUS AREAS

Heated hoses Series H 13 and H-series self-limiting 13B. They can be adapted for use in Ex hazardous areas I and II groups. Temperatures can be used for class T5 (max. 100 ° C) and T6 (max. 85 ° C) and method of protection-d-
Special equipment can be manufactured for use in Ex areas-s (special protection) for temperature class T3 (max. 200 ° C)

HIH HEATED COUPLINGS



Heated couplings are required when heating hoses are connected to each other and the temperature in the connecting element must be kept constant. The inner part of the heated coupling consists of two aluminum shells, insulated with silicone foam, on which the heating is fixed. The outer casing is made of PA 6 formed part. The couplings can be opened and are screwed together after the installation. Inside the terminal block is a clamped connection for the power supply and the cable lead-through.

The power is selected to make sure that the temperature in the coupling remains constant at 200 °C. Thus, in most cases, a regulator is not necessary but can be used on demand. The nominal voltage is 230 V~.

HEATING HOSES WITH INTEGRATED FILTER

Comprise two distinct elements., A heated filter and a heater hose.
They are used in portable measurement and sampling.
The filter element is made of steel V4A (1.4571).