



# THERMO HEATED HOSES FOR HOT-MELT ADHESIVES



PREO flexible high pressure thermo heated hoses convey liquids maintaining their properties unaltered, thanks to the internal constant temperature. They are available in different models: standard and special versions (high temperature, with external water proof braid and with external rigid protective jacket for movement, with external reduced diameter, with inner exchangeable glue tube and with air tube for spray). They are suitable for all different models of dosing systems present on the market and are used in all industrial fields requiring high quality, resistance and careful control of the temperature. They are available with different nominal diameters of the internal hose (6, 8, 10, 13, 16, 20 and 25 mm), with lengths that differ from 0,4 up to 12 meters and with working temperature between 50 and 230°C, in order to grant the same application precision, safety and reliability in controlling all different flows. The connection end fittings are available in a wide range allowing the perfect hydraulic connection between applicator and gun. Manufactured in galvanized steel, on Customer's request they can be demanded made of other materials (brass, iron, stainless steel) and equipped with different threads (BSP, metric, J.I.C, ASA etc.), in order to fulfil any possible technical or production requirement.



## **POLYTETRAFLUOROETHYLENE (PTFE) INNER HOSE**

Available in different diameters, it is obtained through the extrusion and sintering of Polytetrafluoroethylene (PTFE). It resists also to particularly aggressive adhesives and to temperatures over 230°C (450°F).

## **STAINLESS STEEL BRAIDING**

Built in stainless steel 18/8-AISI 304, it assures protection and resistance to the working pressures.

## **HEATING RESISTANCE**

It brings the inner hose made of PTFE in temperature and wraps it around. It is of variable power.

## **TEMPERATURE SENSOR**

It detects the material temperature allowing its continuous control.

## **GLASS FIBER TAPE**

It maintains the temperature constant wrapping and protecting the resistance.

## **QUICK PLUG-IN CONNECTORS**

They grant the electric connection between machine and gun. They can be supplied in different typologies and models.

## **INSULATING FOAM**

It helps to keep the temperature to the level required thanks also to the silicon foam with which it is composed.

## **WIRE CONDUCTORS**

Equipped with earth conductors, they supervise to the heating and control of the guns solenoid valve (24V).

## **PROTECTIVE EXTERNAL BRAIDING**

It increases the mechanical resistance against heat, strokes, abrasions wear and handling. It is available in Polyamide or in water-repellent silicon.

## **END CAPS**

The electrical connection takes place here. They can be rigid or made of silicon and thanks to their particular resistance, they protect the hoses ends.

## **TERMINAL FITTINGS**

They are manufactured with different threads and materials in accordance with the specific requirement and allow the hydraulic connection between machine and gun granting a perfect tightness in all circumstances.



# THERMO HEATED HOSES FOR HOT-MELT ADHESIVES



## HH SERIES

STANDARD Version



## HT SERIES

HIGH TEMPERATURE Version



## HW SERIES

WATER PROOF Version



## H\*HH SERIES

STANDARD Version with EXTERNAL RIGID PROTECTIVE JACKET FOR MOVEMENT



## H-HH SERIES

MINI Version (with external Diameter 30 mm)



## H+HH SERIES

STANDARD Version with EXCHANGEABLE INNER TUBE



## H SPECIAL

SPECIAL Version



## HS - HST SERIES

SPRAY Version - EXTERNAL AIR TUBE Version



## HNDS SERIES

COMPATIBLE Version



## HRBT SERIES

COMPATIBLE Version



## GENERAL SPECIFICATIONS

AVAILABLE LENGTHS	0,4 ÷ 12 m ( 2 ÷ 40 ft) depending on diameter and voltage
OPERATING TEMPERATURE RANGE	50°C ÷ 230°C (120°F ÷ 450°F)
MAXIMUM WORKING PRESSURE	160 bar
VOLTAGE	1/N/PE AC 200-230 V ±10% 50/60 Hz (special voltages on request)
MAXIMUM SYSTEM POWER CAPACITY	up to 1.500 Watt (depending on length)
TEMPERATURE SENSOR	PT-100 (standard) - FeCu-Ni, NiCr-Ni, Ni-120 o NTC (on request)
ACCURACY	±0,5°C (±1°F)
INNER TUBE TYPOLOGY	polytetrafluoroethylene (PTFE) smooth, white and anti-sticking
Ø INNER TUBE NOMINAL DIAMETER	6, 8, 10, 13, 16, 20 e 25 mm
FITTING TYPOLOGY	universal tightness head with fitting nut
FITTING THREAD	1/2 x 20" UNF (standard) - thread pitch BSP, metric, J.I.C, ASA and others (on request)

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