



Operating Manual
Hot melt Hoses
UES Standard

Safety instructions

The following safety instructions must be adhered to!



Attention!

Before installation- and adjustment work is carried out, the appliance must be disconnected from the mains!

Qualified personnel can only carry out installation and maintenance work, meaning only the personnel that has been trained on such appliances and who has the required experience and qualification with these or similar appliances and who is experienced in the safety and accident prevention procedures and thus can recognize these immediately.

Any work, repairs or maintenance made on the gluing pattern system is only to be carried out when the appliance has been disconnected from the main power supply and the compressed air has been cut off (depressurize the system).

The appliance may not be operated without the relevant casing and safety protection. Beware of exposed moving and rotating appliance parts such as motor and pump movement and also rising/sinking parts.

Attention! Do not use this appliance for anything else than what it was manufactured for!

Many exposed parts of this unit, such as the hot glue hose and order valve operate at a very high temperature, which can result, when coming into contact with hot and pressurized glue, in severe burns to the skin. Therefore when operating this unit, filling the melting tanks, installation and construction of a hose and order valves, protective clothing (safety gloves and glasses as well as clothing and shoes) are to be worn at all time. Several glues produce poisonous gases, which have to be filtered.

Under no circumstances is the glue application unit to be operated under the following conditions:

- Near escaping substance or exploding gases or materials
- Without the appropriate safety appliances
- Temperatures lower than 5° C and more than 45° C

Safety precautions regarding the glue

The utmost care is required when working with hot melt glues! Material of this kind has a high and quick bonding quality, so that it can even still be very hot when it is hardened and can lead to burns when coming into contact with exposed skin.

The safety procedures of the glue manufactures are to be followed. They can be found in the relevant information sheet of the respective glue.

Always abide to the operational gluing temperatures suggested by the manufactures!



During work with hot melt glues wear protective gloves, glasses and long sleeved clothes to reduce the risk of burns. In the event of an accident happening with hot glue, do not try and remove the glue from the skin but run the burnt area under cold water until the glue has cooled off and then contact a doctor immediately.

Safety precautions relating to the production machine

The recommended safety procedures when dealing with production- and or packing machines are to be taken from the manual delivered with these machines.

When installing, operating and maintaining the unit the safety measures referring to the main machine which the unit is built into must be taken into consideration.

Safety symbols

The safety symbols shown below indicate operations where increased is called for.
The safety procedures should be followed to at all times:



*Attention, general safety instructions:
Regards to safety instructions when working with glues and other machines.
Additional (special) safety instructions can follow*



*Caution hot surface:
Danger of burning. Appliance parts have a high operating temperature.*



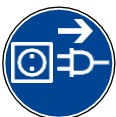
*Caution high voltage:
This type of work is only to be carried out by qualified personal.*



*Caution hand injury:
Risk of entrapment if incautiously operated.*



*Caution, possible danger of uncontrolled
release/leakage of hot liquids!*



*Disconnect power plug
before opening!*



Wear full suit!



Disconnect power supplier!



Use safety glasses!



Wear safety gloves!



Use face shield!

UES Hot melt Hoses

- High quality Made in Germany
- High flex design UES Standard
- Highly-sealing insulation
- Steel-coated PTFE glue core – low risk of bending and creasing
- Available in lengths from 0.6 to 9.1 meters
- Robust, shock-resistant and corrosion-protected
- compatible with Nordson® systems, other manufacturers on request
- Special manufacturing available on customer request

Please mind the following instructions before you start operating the hose:

- Compare your connecting voltage with the information on our name plate (hose).
- Only use control units, which are compatible with the built-in sensor.
- If the heating system and the sensor have two completely separate connecting plugs, do not operate the heated hose via the mains plug alone, as the entire heating system will heat up uncontrollably until it self-destructs.
- Follow our instructions for installing the system.
- The outer diameter must not be reduced by more than 10% (suspensions and supports).

Please mind the following instructions during operation of the hose:

- Please make sure that the fittings are not under tension.
- The heated hose must have reached its operating temperature, before you commence working with your normal pressure, as the material on the fittings may still be rigid.
- Do not try to reduce the warming-up time with the help of external heat.

General:

A heated pipe consists of a smooth-surfaced PTFE inner tube, with one or more braided stainless steel cases. The appropriate fitting is pressed onto the basic hose. We can produce any fittings you may wish, provided they are technically feasible.

The electrical heating system is made up of heat conductor alloys and heating elements manufactured in accordance with VDE regulations. It is imperative that technical data such as bending radius, diameter, etc. are strictly followed, as failure to comply will render all rights given under guarantee null and void. The thermal insulation will be adapted to suit your requirements. Our standard protective covering is a braided pipe made out of polyamide. Closing cups are fitted to the ends of the hoses.

The hose should not come into contact with cold surfaces over a longer distance!

Connection:

If not yet done, loosen the end cap at the glue connector of the hot melt unit. Take an open-end wrench size 19 to do this. Hold the glue connector in place by the help of a further open-end wrench size 17. Take the end of the hose, on which you can find the plug for the socket of the unit, and screw it onto the glue connector. While doing this also hold the glue connector in place. Then insert the plug into the socket of the unit. In the same way connect the other end of the hose to the application gun and the cord set.



Attention!

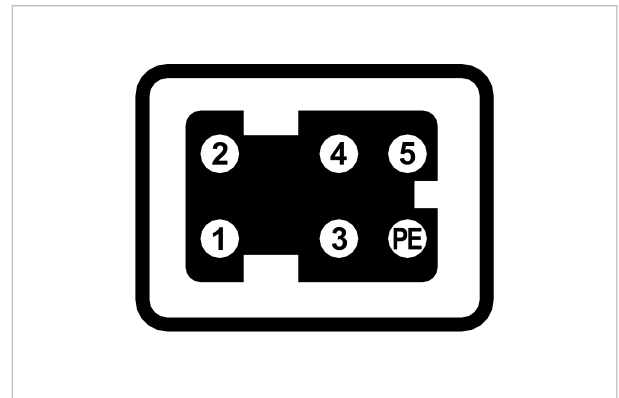
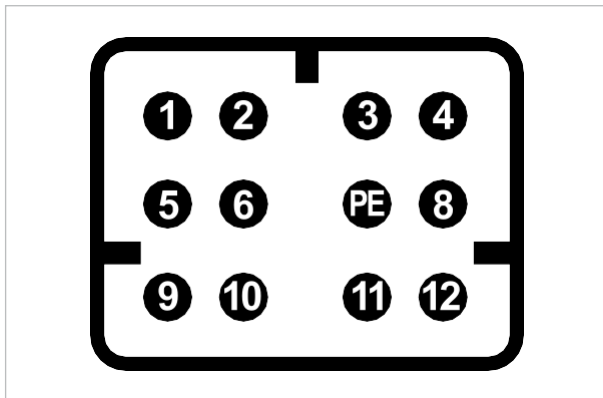
After the operation temperature has been reached please check if the connection is tight and retighten the screw of the hose if necessary. Please keep in mind that the glue connector and the manifold are very hot!

UES Standard	
Fittings	9/16 - 18 UNF
Electrical connection	UES Standard/NS 3000
Operation voltage	max. 240V 50/60 Hz
Operation temperature	max. 200° C
Working pressure	max. 100 bar
Sensor	Ni 120
Inner diameter	8 mm
Protection class	IP 54
Coating	Synthetics, braided

Pin Assignment in Unit Plug	
1	Heating Gun
2	Heating Gun
3	Sensor Gun
4	Heating Hose
5	Sensor Hose & Gun
6	Heating Hose
PE	Earth conductor
8	Sensor Hose
9	not assigned
10	not assigned
11	not assigned
12	not assigned

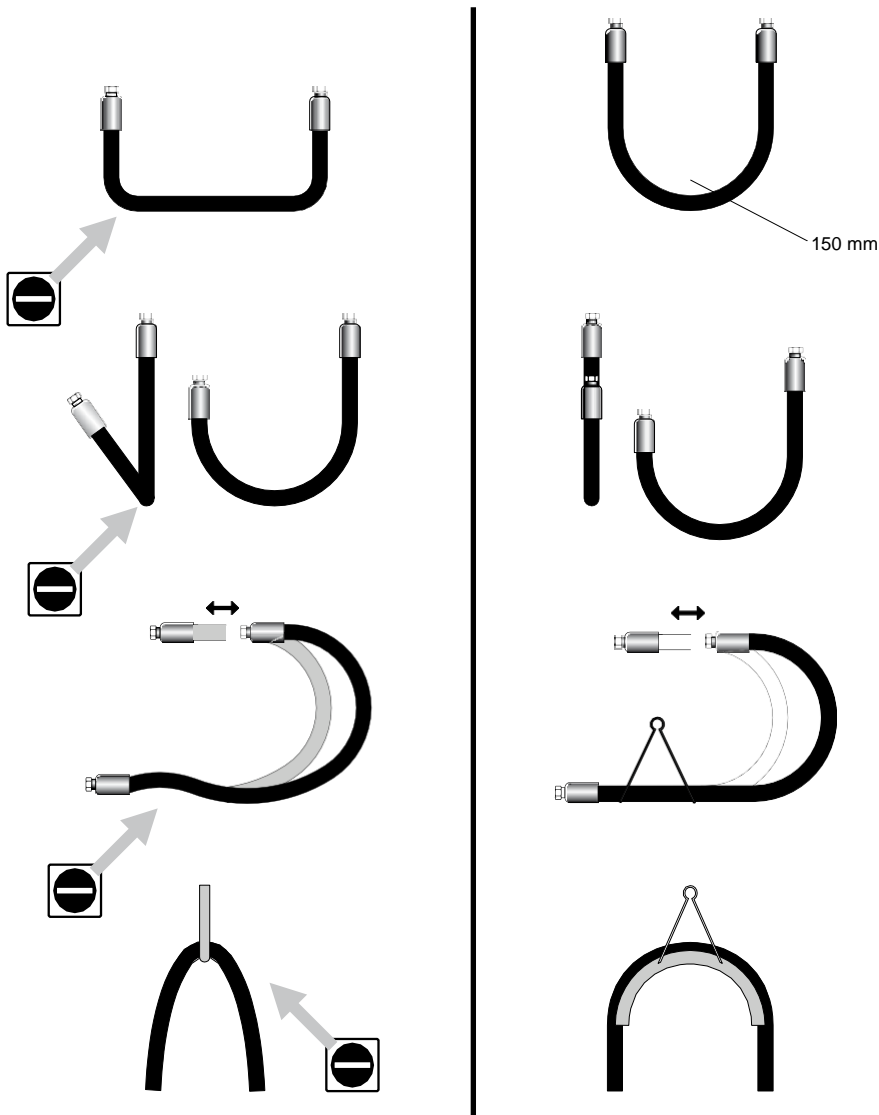
Art.-No.	Length	Watts
100260	0,6 m	70 W
100261	1,2 m	140 W
100262	1,8 m	210 W
100263	2,4 m	280 W
100264	3,0 m	350 W
100265	3,6 m	420 W
130263	4,2 m	490 W
100266	4,8 m	560 W
104447	6,0 m	700 W
100267	7,2 m	830 W
104704	8,0 m	930 W
100268	9,1 m	1.070 W
101302	10,0 m	1.170 W
105631	12,0 m	1.400 W
133954	13,0 m	1.500 W

Pin Assignment in Gun Socket	
1	Heating Gun
2	Heating Gun
3	Sensor Gun
4	Sensor Hose
5	Sensor Hose & Gun
PE	Earth conductor



Hose installation (bending radius)

Your heating hose is laid out for exposure to bending, however, the bending radius must not be below our indication.



EC Installation Declaration according to Machinery Directive 2006/42/EC Annex II 1.B

The producer / distributor

UES AG
Breuerhofstrasse 48
47807 Krefeld
Germany

hereby declares that the following product

Product designation:	Hot glue hose				
Make:	Length 0.6 m – 9.1 m				
Series / type designation:	100260	100261	100262	100263	100264
	100265	100266	100267	100268	100269
Description:	UES Hot glue hose				

corresponds to the following essential requirements of the Directive:

see Annex "List of requirements met according to Annex I of EC Machinery Directive 2006/42/EC"

The following additional EU directives have been applied:

EMC Directive 2004/108/EG
 Low Voltage Directive 2006/95/EG
 The safety objectives of EC Directive 2006/95/EC as well

The commissioning of this product is prohibited until the machine or system into which this product is to be incorporated or of which it represents a component complies with the provisions of all relevant guidelines.

The following harmonised norms have been used:

EN 60204-1:2006/AC:2010	Safety of machinery - Electrical equipment of machines - Part 1: General requirements 1 (IEC 60204-1:2005 (modified))
EN 60519-1:2003	Safety in electroheating installations - Part 1: General requirements (IEC 60519-1:2003)
EN ISO 4413:2010	Hydraulic fluid power - General rules and safety requirements for systems and their components (ISO 4413:2010)

The following national and international norms (or parts/clauses thereof) and specifications have been used:

DIN VDE 0100 :410	Part 4-41: Protection for safety - Protection against electric shock
DIN VDE 0100 :540	Part 5-54: Selection and erection of electrical equipment - Earthing arrangements and protective conductors

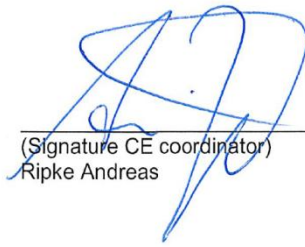
The special technical documents for the product have been prepared in accordance with Annex VII, Part B; upon reasonable request, these documents can be sent to a national authority by mail.

Name and address of the person who is authorized to compile the technical documentation:

Andreas Ripke, Breuershofstrasse 48, 47807 Krefeld, Germany



(Signature managing director)
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