

Product Manual for Cartridge Preheater KVG.2/.3 and KVG.LCD



KVG.2/.3



KVG.LCD

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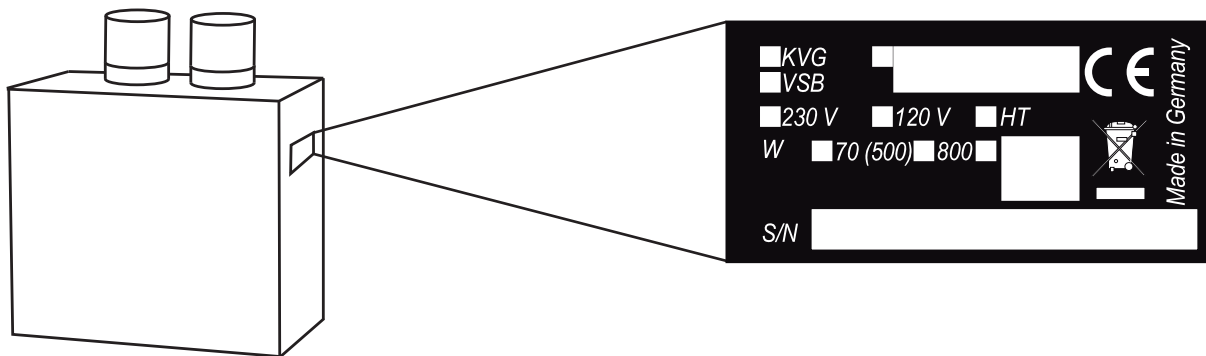
Product Description



Dear customer,

the glue cartridge preheater you purchased will help you to reduce time loss caused by heating up hot-melt cartridges in the glue gun. To ensure optimum usage of the glue applicator we recommend that you read these instructions thoroughly before using the applicator for the first time.

The type of your preheater can be taken from the nameplate fitted to the side of the casing.



Eggenstein-Leopoldshafen, March 1st 2024

Intended Use

The cartridge preheater is used to preheat hot-melt glue cartridges. The cartridge preheater should only be used by trained, instructed and authorized persons who have been familiarized with its proper use and the safety precautions. Handling the cartridge preheater properly will avoid unnecessary accident hazards and problems. Bodily injury or material damage caused by not using the device as intended shall not be the manufacturer's, but the user's responsibility.

General Safety Instructions

Care and Diligence of the User

The cartridge preheater has been designed and fabricated in conformity with the applicable harmonized standards and additional technical specifications. So, it is state of the art and ensures maximum safety.

This safety, however, can only be achieved in the operational practice, if all the necessary measures are taken. The user of the equipment shall be obliged to plan these measures and to make sure that they are taken.

In particular, the user shall ensure that

- the applicator to be used is in good working condition.
- the personal protective equipment (protective gloves, safety goggles) required for the operating personnel is available and used.
- the operating instructions are in legible condition and available to the operator.
- only sufficiently qualified and authorized personnel operates and maintains the applicator.
- this personnel is regularly instructed in the applicable regulations of operational safety and environmental protection and knows the operating instructions and, in particular, the safety instructions.

Making the Information Available

This operating manual shall always be kept at the place of operation of the applicator. Be sure that all persons handling the applicator can consult the instructions at any time. In addition to this operating manual, there must be available instructions regarding legal and other mandatory regulations relating to accident prevention and to relevant requirements of the employers' liability insurance association.

Safety Symbols

This operating manual gives concrete safety instructions to alert the user to remaining unavoidable hazards.

These hazards imply dangers to

- persons
- product and equipment

Meaning of the Symbols used in the Manual

This symbol indicates that there is, above all, danger to persons, but also to equipment and material.



Caution: hot surface!

Accident Prevention Regulation VBG 125 – W26 Hot surfaces such as machine parts, tanks or materials, but also hot liquids cannot always be perceived. The utmost caution is advised when this symbol is attached to a component. Wear protective gloves whenever you have to touch hot surfaces.



To avoid accidents lay the cables so that they will not cause any risk of stumbling.



Wear protective gloves and safety goggles whenever you work with the applicator. If the safety glove sign isn't clearly visible or not at all on the glue applicator please contact Reka Klebetechnik GmbH & Co. KG.

Safety Measures to be taken during Operation



The device must only be used by trained, instructed and authorized persons. These persons must have read the operating instructions and be able to work accordingly. Before using the applicator, check it for visible damage and make sure that it is only used when in proper and safe condition. Notify detected defects to the appropriate person immediately.

Safety Instructions for the Operation of the Hot-Melt Applicator



Wear protective gloves and safety goggles whenever you work with the device.



Avoid accidents by stumbling – Lay all cables, hoses and conduits so that they will not cause any risk of stumbling. For this, install cable ducts and bridges.

Never exceed the operating temperature of the hot melt. This temperature is indicated in the technical specification of the glue. Overheating may lead to decomposition which may affect the health of the user as well as the operability of the device.

Warning: Risk of burns!

After heating up the cartridges will be very hot.

Do not let the hot cartridge touch the cable.

If hot glue comes into contact with the skin, cool it with cold water immediately.



Do not try to remove the hotmelt from the skin first. If necessary, consult a doctor. If hot glue comes into contact with the eyes, immediately cool them under running water for about 15 minutes and consult your doctor at once.

Do not lay the device on its side.

Stop using the equipment immediately, if the casing is damaged due to shock, breakage or heavy wear.

Do not feed solvents, paraffin or other flammable material. Risk of explosion!

Only use intact cartridges. This means they should be free of dents or other damages so the piston within the cartridge can move freely.

Start-up and Control



Wear protective gloves and safety goggles whenever you work with the device.



Avoid accidents by stumbling – Lay all cables, hoses and conduits so that they will not cause any risk of stumbling. For this, install cable ducts and bridges.



Warning: Risk of burns!

After heating up the cartridges will be very hot.



Do not let the hot cartridge touch the cable.



Only use intact cartridges. This means they should be free of dents or other damages so the piston within the cartridge can move freely.

The cartridge preheater must only be used/applied for its intended purpose. Please read the chapter „General Safety Instructions“.

If it is not used as intended, this may cause personal injuries or equipment damages. Disregard of the safety instructions for the use of the applicator may lead to serious burns.


Before you use the applicator perform functionality test according to the following list

- Is the applicator connected to 230 volts (or 120 volts, if required by the specific applicator) and is the switch turned on?
- Is the control lamp ignited (only KVG.2/.3)?
- Are only cartridges in the device that are sealed at the cartridge outlet (with the thread)?
- Has the heatup time of approx. 20 minutes (depending on glue type) been kept?



Setting the hot-melt working temperature (Only KVG.LCD)

Switching the temperature control on and off:





Press the  button to switch the temperature control on or off. If the temperature control is switched off, three hyphens (---) will be on the display.

Raising the temperature:

Press the  button until the desired temperature is indicated. Press the  button once to confirm the setting. As long as the circuit board is in temperature adjustment mode two dots will appear behind the first two digits.

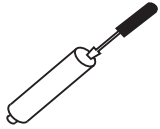


Reducing the temperature:

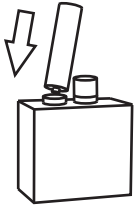
Press the  button until the desired temperature is indicated. Press the  button once to confirm the setting. As long as the circuit board is in temperature adjustment mode two dots will appear behind the first two digits.

While the applicator is heating up to the set temperature, the numbers on the display are flashing.

Preheating the Cartridge



Before heating up the hot-melt cartridge, pierce it at the base to prevent overpressure within the cartridge.



Insert the cartridge with the thread up front into the preheater. Please make sure the cartridge outlet is sealed.



20 min



Heat up for approx. 20 minutes (depending on glue type). Warning: Risk of Burns. Please use gloves and safety goggles when handling the cartridge.

Usage in Reka Hot-Melt Glue Guns



Remove cartridge from preheater



Pierce cartridge outlet with a pointed tool, for instance a screw driver.



Screw on the nozzle adapter and nozzle onto the cartridge.

Turn star grip counter clockwise when the applicator is heated up in order to open the lid.



Insert the cartridge into the glue gun.

Close the lid.



Apply hot-melt.

If an empty cartridge is replaced by a full one containing a different type of glue, nozzle and adapter must be cleaned. For this, please read „Cleaning the Nozzle/Nozzle Adapter after working with PUR HotMelt Glue Cartridges“ in chapter „Cleaning and Maintenance“. (Page 6).

After Work

Please unplug the device after working with it. Do not unplug it by pulling the cord, pull the plug instead..

Cleaning and Maintenance

The device is to be maintained by skilled personnel on a regular basis. The frequency of maintenance depends on wear and the hotmelt in use.

Do not use solvents, paraffin or other flammable material for cleaning. Risk of explosion!

When reactive PUR hotmelt glues are used, the adapter and the nozzles must be flushed thoroughly. For this, use a special cleaning agent in 310ml cartridges. Please ask your glue supplier for the cleaning agent suited for the hotmelt used by you.

Cleaning the Nozzle/Nozzle Adapter after having applied PUR Hot-Melt Cartridges

When the glue gun will not be used for a longer time, we recommend that you clean the nozzle/the adapter because reactive PUR hotmelts may harden within a short time and cannot melt any more.



Warning: risk of burns!



For your own safety you are advised to wear protective gloves and safety goggles when replacing nozzles.

Proceed as follows:



Remove the PUR cartridge from the applicator.



Unscrew the nozzle adapter from the warm glue cartridge.



Use a pointed tool to open the outlet of the PURcleaner cartridge.



Screw the nozzle adapter on the screw thread of the cleaner cartridge.



Insert the cleaner cartridge in the applicator. Please ask the glue producer for the cleaning agent suited for the glue used by you.



20 min.

Allow about 20 minutes for the applicator to warm up the cleaner.



Flush the nozzle adapter with cleaner until you see cleaning agent come out steadily.

Remove the cleaner cartridge from the applicator and unscrew the nozzle adapter and nozzle from the cleaner cartridge while it is still warm.

Caution: Hot cleaning agent may flow out!

Allow the cleaner cartridge to cool and keep it for further use.

Trouble-Shooting



List of possible fault indications and assistance in trouble-shooting

In case of damage, send the cartridge preheater to Reka, indicating type and serial no. of your applicator. Selfmade repairs void the warranty.

Fault	Possible Cause	Measures to be taken
Device doesn't heat up	• Device is switched off	• Check switch
	• Plug isn't plugged in	• Check plug at outlet
Device doesn't reach desired temperature	• Temperature adjustment turned	• Check temperature setting
	• Heat-up time wasn't kept	• Wait 15 minutes
Cartridge doesn't fit preheater or can only be pushed in with force	• Cartridge too big	• Check if dimensions of cartridge match 217x47mm, change cartridge if necessary
	• Cartridge too big	• Swap cartridge with intact cartridge or one of right size
Leaking nozzle	• Nozzle defective or clogged	• Change nozzle
	• Cartridge has dents, so the piston within the cartridge can't move freely and the pressure within the cartridge can't be leveled	• If the piston cannot move freely inside the cartridge, the cartridge may be under pressure. To avoid dripping of the nozzle the pressure inside the cartridge needs to be released or the cartridge needs to be exchanged.
	• Piston is stuck at the inner wall of the cartridge, for instance because of glue residue	• If the piston cannot move freely inside the cartridge, the cartridge may be under pressure. To avoid dripping of the nozzle the pressure inside the cartridge needs to be released or the cartridge needs to be exchanged.
Lid of the glue gun leaks air and no pressure is applied to the cartridge	• Upper cartridge edge is bent	• If possible bend it back • Change cartridge
	• Flat seal gasket is defective	• Change flat seal gasket

Environmental Protection

Never throw electric tools in the domestic waste. According to the European directive 2002/96/EC for used electric and electronic devices and according to national regulations, used electric tools must be collected separately and treated in an environmentally compatible way for reuse.

You are welcome to send reka glue guns and accessories back to reka Klebetechnik for disposal.

Packing material used by Reka Klebetechnik can be recycled completely.

Please take instructions for the disposal of hotmelt glues and hotmelt cartridges from the respective safety specifications.



Additional Information

Do you have any more questions or requests? We will be glad to help you.

Please contact us by:

Telephone +49 721 970 780

EMail sale@rekaklebetechnik.de

Our mailing address is:

Reka Klebetechnik GmbH & Co. KG

Siemensstr. 6

DE-76344 Eggenstein

Internet: <http://www.reka-klebetechnik.de>

EU Declaration of Conformity



Product: Cartridge Preheater

Type: KVG.2
KVG.3
KVG.LCD

This is to certify that the above applicators in the design marketed by us are in conformity with the following EC directives:

Machinery Directive	2006/42/EG
EMC Directive	2014/30/EU
Low Voltage Directive	2014/35/EU
RoHS	2011/65/EU

The following standards have been applied:

IEC CISPR14
IEC 60335
IEC 60204
IEC 61000

This declaration of conformity shall get invalid, if the product is modified, extended, or otherwise changed without express approval of Reka Klebtechnik

- and/or other components than accessories of Reka Klebtechnik are fitted,
- and if the product is not connected or used as intended.

Eggenstein-Leopoldshafen, March 1st 2024

A handwritten signature in black ink that reads "Maximilian Armbruster". The signature is written in a cursive, flowing style.

Maximilian Armbruster

Management Purchasing and Production
Reka Klebtechnik GmbH & Co. KG

Technical Specifications



KVG.2/.3



KVG.LCD

Technical Data Cartridge Preheater KVG.2

Article Number	5398 (230 V) / 5399 (120 V)
Capacity	2 Cartridges
Cartridges	Ø 47 mm – 310 ml – Length 215 mm
Power Supply	230 V / 50 Hz / 120 V / 60 Hz
Power Consumption	70 W (500 W)*
Heat-up time	ca. 20 min. depending on glue type
Temperature control	Thermostat
Operating temperature	fixed at approx. 125 °C**
Weight	2500 g

* higher power consumption when device is cold, see brackets.

** can be increased ex works up to 140 °C maximum.

Technical Data Cartridge Preheater KVG.3

Article Number	5235 (230 V) / 5236 (120 V)
Capacity	2 Cartridges
Cartridges	Ø 47 mm – 310 ml – Length 215 mm
Power Supply	230 V / 50 Hz / 120 V / 60 Hz
Power Consumption	400 W
Heat-up time	approx. 10 minutes
Temperature control	Thermostat
Temperature limitation	Temperature monitor
Consistency of temperature	± 5 °C
Temperature indication	digital
Operating temperature	fixed at approx. 125 °C
Weight	2740 g

Technical Data Cartridge Preheater KVG.LCD

Article Number	5143 (230 V) / 5142 (120 V)
Capacity	2 Cartridges
Cartridges	Ø 47 mm – 310 ml – Length 215 mm
Power Supply	230 V / 50 Hz / 120 V / 60 Hz
Power Consumption	500 W
Heat-up time	approx. 10 minutes
Temperature control	Electronic
Temperature limitation	Temperature monitor
Consistency of temperature	± 2 °C
Temperature indication	digital
Operating temperature	50 - 160 °C
Weight	2740 g

