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PICOTE HEATER

OPERATION & SAFETY MANUAL



WARNING

These instructions are for your personal safety. Always ensure that you have read and understood these instructions before using any of the Picote range of Tools. *SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE.*

TABLE OF CONTENTS

TOPIC	PAGE/S
SAFETY INFORMATION & SYMBOLS	3
GENERAL INFORMATION & TECHNICAL DATA	5
VOLTAGE & POWER SUPPLY	6
CE DECLARATION OF CONFORMITY	7
OPERATING INSTRUCTIONS	8
MAINTENANCE & SPARE PARTS	10
WARRANTY POLICY & PROCEDURE	11



To watch practical demonstration videos, or to download an electronic copy of these Instructions, please visit www.picotesolutions.com. Please note that videos are not intended as a replacement or alternative to this operating and safety manual, but only as an additional learning tool.

SAFETY INFORMATION

WARNING

This section contains important safety information. Failure to comply could result in serious injury or death.

Safety Symbols

Safety symbols are used throughout this manual to draw attention to potential hazards.



Danger risk of serious injury, follow instructions.



Danger risk of serious injury from rotating parts, follow instructions.

Personal Protective Equipment (PPE)

Always use Personal Protective Equipment when using the Picote Heater, including suitable overalls / protective clothing & footwear and the following:



Always wear suitable eye protection when using the Picote Heater to prevent dust from irritating your eyes.



Always wear suitable ear protection when using the Picote Heater to prevent any hearing loss.



Always wear suitable cut-resistant gloves when using the Picote Heater to prevent any hand injuries. Any open injuries or skin irritations should be covered at all times to avoid contact with sewage, chemicals or dust.



Always wear a suitable respirator when using the Picote Heater to prevent any resin fumes from the curing coating being inhaled or consumed, which can cause occupational asthma or dermatitis as well as eye irritation.

Always remember



Before assembly, use, replacement of parts or maintenance, unplug the Picote Heater. **Failure to comply may lead to serious injury including electric shock or injury from rotating parts!**

SAVE ALL WARNINGS AND INSTRUCTIONS FOR FUTURE REFERENCE

GENERAL MACHINE SAFETY WARNING

WARNING

This section contains important safety information. Failure to comply could result in serious injury or death.

Always read all safety warnings and instructions. Failure to follow warnings and instructions may result in electric shock, fire and/or serious injury.

SAFETY REQUIREMENTS

WARNING

This section contains important safety information. Failure to comply could result in serious injury or death.



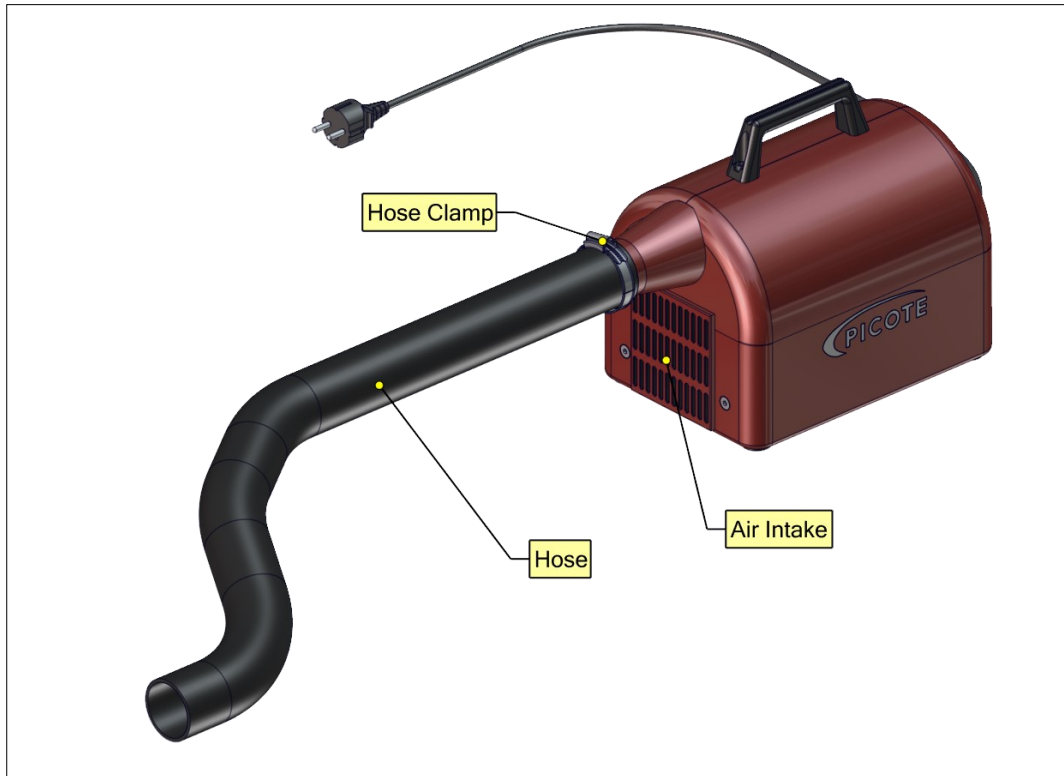
1. **Always wear eye protection, ear protection as well as cut-resistant gloves.** Other personal protective equipment, such as dust mask and overalls should be worn when necessary. Dust produced when working can be dangerous to your health, inflammable or explosive.

Always wear appropriate protective equipment. Make sure the drain pipe has been opened and ventilated to stop any gases forming in the lateral drain where the work takes place.

2. Always ensure that the machine is fully turned off and unplugged before inspection, maintenance, or installing any accessories to the machine. Always follow the instructions in the Picote Solutions manual.
3. **Before each use** inspect the machine and hose carefully for any potential break or damage. **Change damaged parts immediately.**
4. When in use, it is very important that the machine is stable and on an even surface at all times.
5. **Do not use the machine outdoors when raining or in otherwise wet conditions.**
6. If the working environment is extremely hot and humid, or badly polluted by conductive dust, use a GFCI-enabled power outlet to ensure the safety of the operator.
7. Make sure that the job location is well ventilated before powering up the machine. The operator must wear a dust mask when using the Picote Heater. Notice that the machine blows the dust and fumes out from the pipes at any opening. Prepare the ventilation properly on these locations before powering up the Picote Heater.
8. Ensure that the ventilation openings are kept clear when working in dusty conditions. If it should become necessary to clear dust, first unplug the machine.
9. Only use this machine with the accessories and spare parts offered by the Picote Solutions. Accessories and spare parts should only be used in the manner intended and as described by the Picote Solutions.
10. Read the Picote Brush Coating [™] manual carefully before using the Picote Heater to speed up the curing process.

Picote Heater

GENERAL INFORMATION



TECHNICAL DATA

Size (mm/inches)	Hose length (m/ft)	Drain Diameter (mm/inches)	Max. Air Volume (m ³ /min)	Max. Air Capacity (m/sec)	Output (W)	Power Source	Weight (kg/lbs)	IP Rating
287x205x180 11"x8"x7"	5 (16)	DN50-DN300 (2"-12")	2.20	75—100	1600	Electric Motor	5.8 (12.8)	23

INTENDED USE

This machine is intended for the following uses;

1. Drying the pipes after water cleaning.
2. Speeding up the curing process when using the Picote Brush Coating™ system.

Picote Heater

VOLTAGE & POWER SUPPLY

Ensure that the supply voltage is correct. The voltage of the power source must match the value given on the nameplate of the machine within the tolerances of $\pm 10\%$. Machines with a 230V plate can be used in 220V mains and 110V machines in the 120V grid.

The machine has been double sealed according to European standards. The power source has to be grounded.

Power plugs

For safety purposes, use only grounded outlets. If the plug does not fit securely or match the outlet, do not force it — contact an electrician to determine required power supply. Never alter the plug in any way. Use the plug with an extension cord only if it can be fully inserted into the receptacle. Use the Picote Heater with a heavy duty extension cord only.

If a power generator is used as power source, ensure that the power rating is sufficient.

220-230V: EU Schuko 230V 16A. Power cable lead minimum thickness 1.5mm^2 .

110-125V: The Picote Heater is equipped with a 15 amp (125V) NEMA 5-15 plug. Power cable lead and pro efficiently. power minimum thickness 2.5mm^2 / 13 AWG. The must be supplied with sufficient power per current rating. A minimum of 15 amps are needed to operate it safely and When used with an extension cord, the cord must be a 3 prong, 15amp (125V). If generator is used, minimum 3 kW required. Adapters may be necessary for generator connections. Contact your reseller or Picote technical support for more information.

AUSTRALIA/UK: Picote Heaters in these regions have special plugs:

Australia: CEE 16A 230V colour blue. Power cable minimum lead thickness 2.5mm^2

UK: UK Plug BSEN 60309 16A 110V colour yellow. Power cable lead minimum thickness 2.5mm^2 . Picote Heater requires a transformer to comply with the site power regulations and safe usage in UK.

Picote Heater

NOISE LEVEL & EMISSIONS



WARNING

This section contains important safety information. Failure to comply could result in serious injury or loss of hearing.

The typical A-weighted noise level determined according to **EN60745**:

Sound pressure level (LpA): 78 dB (A)

WEAR EAR PROTECTION



Emissions during actual use of the machine can differ from declared values depending on the ways that the machine is used. Safety measures to protect the operator should be determined by actual conditions, taking into account all aspects of the operating cycle.

Due to continuing product development, the specifications herein are subject to change without notice.

CE DECLARATION OF CONFORMITY

We Picote Solutions Oy Ltd as the responsible manufacturer, declare that the following Picote Solutions Oy Ltd machine:

Picote Heater
is of series production and

Conforms to the following EU Directive:

2006/42/EC

And is manufactured in accordance with the following standards or standardised documents:

EN60745

The technical documentation is kept by our authorised representative in Europe who is:

Picote Solutions Oy Ltd, Urakoitsijantie 8
06450 Porvoo, Finland

1st February 2018

Katja Lindy-Wilkinson
C.E.O.

Picote Solutions Oy Ltd
Urakoitsijantie 8, 06450 Porvoo, Finland

Picote Heater

OPERATING INSTRUCTIONS

Before operation:

- ⚠ WARNING** • Before powering up, always make sure that all the openings are properly ventilated.
- Ensure there is enough space for Picote Heater. Do not cover the air inlet.

- ⚠ CAUTION** • The dust and fumes from the pipes will be blown out from any opening in pipe system. Prepare all these locations before powering up the Picote Heater.

While in operation:

- Always lay the machine down horizontally on the floor.

STARTING & USING THE MACHINE

- ⚠ WARNING** *This section contains important safety information. Failure to comply could result in serious injury.*

1. Ventilate all the openings in pipe system properly before powering up the Picote Heater. Dust, fumes and gases can be dangerous to your health, inflammable or explosive.
2. Place the hose inside the pipe. Secure the hose with hose clamps or nozzle piece.
3. Inspect that the curing process has already begun before powering up the Picote Heater. **The resin needs to be dust dry before the Picote Heater can be used which equals to 20 minutes curing.** If the Picote Heater is powered before the curing has started, waves will be created to the coating layer.

Tip! You can use outlet timer to make Picote Heater to begin the blowing process after 20 minutes and to blow up for pre-calculated time. In this way you can move on coating the next pipe line faster.

4. Plug the Picote Heater to the power source.
5. Picote Heater speeds up the curing time of the coating resin 1h – 1.5h depending on the coating resin used.
5. **Let the machine blow up as long as needed. Normally at least 2h 30 min is normally needed for the coating layer to cure before a new layer is going to be added.** The coating material needs to be touch dry before adding a new coating layer.
6. If the **next coat is applied after 24h, the original coat needs to be abraded with a Smart Cutter™** first to make sure that the layers bond well.

Note: **Picote Heater air outlet temperature is limited to +55 °C (131 F).** The machine has automatic thermal cut-out in both motor and heating element.

Please check Picote Mini & Maxi Coating Pump manuals
and visit www.picotebrushcoating.com for more
detailed information.

Picote Heater

Use Hose Clamps to attach the hose to the Picote Heater and guide the air into the pipe. Secure the hose to the pipe with hose clamps, tape or nozzle piece.



Picote Heater

MAINTENANCE

- ⚠ WARNING** 1. Before performing any maintenance always check that the machine is fully turned off and unplugged.
2. Carefully inspect the hose to ensure that there are no signs of wear and tear. Replace when required.
3. For safety and efficiency, always keep the machine and its air inlet clean.

If there is a problem that you cannot resolve with this manual, please consult your Reseller or Picote

ACCESSORIES & SPARE PARTS

⚠ WARNING You must use only the Picote Solutions accessories and attachments with the machine described in this operations manual. The use of other accessories or attachments could present a risk of injury or death. The accessories or attachments should only be used in the proper and intended manner, and always follow Picote Solutions instructions.

1350000024	Picote Heater 230v
1350000024US	Picote Heater 110v US
1350000024UK	Picote Heater 110v UK
9990001099	Heater Spare Hose 5m

TRAINING

For information about product training and support contact Picote or your authorised Picote Reseller.

WARRANTY POLICY AND PROCEDURE

Limited Warranty:

Picote warrants to the original End User that the Product purchased by such End User will operate in accordance with and substantially conform to their published specifications when shipped or otherwise delivered to the End User and for a period of one (1) year, except electric motors for which the warranty period shall be six (6) months, provided, however, that Picote does not warrant any claim or damage under this

Warranty if such claim or damage results from:

1. Consumable parts or normal wear and tear resulting from use of the Products,
2. Product overload or overheated motor,
3. Regular periodic maintenance of Products,
4. Misuse, neglect, or improper installation or maintenance of the Products, or use of Products not for their intended purpose,
5. Products that have been altered, modified, repaired, opened or tampered with by anyone other than Picote or an authorized Picote Service Centre, or unsuitable or unauthorized spare parts, accessories or third party products when using the Products or;
6. the use of the Products not in compliance with their respective Documentation, user manuals, safety and maintenance instructions, and any usage restrictions contained therein, or
7. accident, fire, power failure, power surge, or other hazard.

Otherwise, the Products are sold AS IS. End User is responsible for using the Products within their specifications and instructions as contained in the Documentation.

EXCEPT AS SPECIFIED IN THIS WARRANTY, ALL EXPRESS OR IMPLIED CONDITIONS, REPRESENTATIONS, AND WARRANTIES INCLUDING, WITHOUT LIMITATION, ANY IMPLIED WARRANTY OR CONDITION OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, NONINFRINGEMENT, SATISFACTORY QUALITY OR ARISING FROM A COURSE OF DEALING, LAW, USAGE, OR TRADE PRACTICE, ARE HEREBY EXCLUDED TO THE EXTENT ALLOWED BY APPLICABLE LAW. TO THE EXTENT AN IMPLIED WARRANTY CANNOT BE EXCLUDED, SUCH WARRANTY IS LIMITED IN DURATION TO THE WARRANTY PERIOD. BECAUSE SOME STATES OR JURISDICTIONS DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, THE ABOVE LIMITATION MAY NOT APPLY. This disclaimer and exclusion shall apply even if the express warranty set forth above fails of its essential purpose.



Please Contact:

Your Reseller / Salesperson or Picote

www.picotesolutions.com



International Offices

Finland. United Kingdom. USA.

Dawn Greig

Global Business Development &
Creative Director

+44 7585116508

dawn@picotesolutions.com

Anthony DeCavitch

Global Sales Director

+1 219 440 1404

tony@picotesolutions.com

Technical Support

Jake Saltzman

World Wide Technical Director

+1 706 436 1892

jake@picotesolutions.com

Richard Swan

Head of Technical Client Services

+44 (0)7827 223237

richard@picotesolutions.com

Production & R&D

Raudoittajantie 4

06450 Porvoo, Finland

support@picotesolutions.com



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www.hammerheadtrenchless.com
www.hammerheadshop.com