



HEATER 2.0

OPERATION & SAFETY MANUAL



WARNING

These instructions are for your personal safety. Always ensure that you have read and understood these instructions before using the equipment.

SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE.

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SAVE ALL WARNINGS AND INSTRUCTIONS FOR FUTURE REFERENCE

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SAFETY INFORMATION

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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 from hot parts, follow instructions.

Personal Protective Equipment (PPE)



Suitable eye protection to protect against injuries and chemicals from irritating eyes.



Suitable ear protection to protect against hearing loss.



Suitable heat and cut-resistant gloves to help prevent any hand injuries. Any open injuries or skin irritations should always be covered to avoid contact with sewage, chemicals or dust.



Suitable respirator to prevent any dust or fumes being inhaled or consumed, which could cause occupational asthma or dermatitis.

EQUIPMENT OPERATION & SAFETY

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1. **Always wear appropriate personal protective equipment including eye, ear, and breathing protection as well as heat and cut-resistant gloves.** Other personal protective equipment should be worn when necessary.
2. Dust produced when working can be dangerous to your health, inflammable or explosive.
3. Ensure that the Heater ventilation openings are kept clear when working in dusty conditions. If it should become necessary to clear dust, first unplug the machine.
4. Wear Ear Protection. The typical A-weighted noise level determined according to EN60745:Sound pressure level (LpA): 78 dB (A)
5. Make sure the pipe has been opened and ventilated to prevent any gases accumulating.
6. Always ensure that the Picote Heater is turned off and unplugged before inspection, maintenance, or installing any accessories. Always follow the instructions in the Operation & Safety Manual.
5. Before each use inspect the Picote Heater carefully for any potential damage. Do not use if damaged, repair or replace before use.
6. When in use, it is very important that the Heater is stable and on an even surface at all times.
7. Do not use the Picote Heater outdoors when raining or in otherwise wet conditions.
8. If the working environment is extremely hot and humid, or badly polluted by conductive dust, use a GFCI enabled power outlet to help ensure the safety of the operator.
9. Never leave the Heater running unattended.
10. The Picote Heater produces hot air and its surface may also be very hot. Touching the Picote Heater could burn your skin. Use heat resistant gloves and allow the Heater to cool before touching.
11. Do not insert pins or any other metal objects into the clearance of the machine to avoid an electric shock and a short circuit.
12. Only use 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.

ENVIRONMENT, TRANSPORT, STORAGE & DISPOSAL

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ENVIRONMENTAL:

- Operational Ambient Temperature Range: -10 to 50°C (14 to 122°F) frost and condensation free.
- Storage Ambient Temperature Range: -20 to 60°C (-4 to 140°F) frost and condensation free.
- Maximum Humidity: 95% (non-condensing).

TRANSPORT:

The Picote Heater should be transported inside of a vehicle properly secured to prevent any sudden movements caused by hard braking or accident. Using lidded boxes which are fastened and stored on the bottom of the vehicle is recommended.

STORAGE:

The Picote Heater should be stored indoors, protected from rain and sunlight, and in constant ambient temperature.

If the Heater has been stored in conditions colder than +10°C (50°F), the Heater should be warmed at room temperature for 24 hours before use.

If the Heater has been stored for long periods of time (over 2-3 months), it should be checked and tested before use on site.

DISPOSAL:

The Picote Heater can be disposed at appropriate Waste Electrical and Electronic Equipment (WEEE) collection points.

Always follow the local waste handling rules and regulation.

CE DECLARATION OF CONFORMITY

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

Picote Heater 2.0 110V and 230V
is of series production and

Conforms to the following EU Directive:

2014/35/EC

2014/30/EC

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

EN 60335-1:2012+A11:2014+A13:2017+A1:2019+A2:2019+A14:2019+A15: 2021

EN IEC 60335-2-23:2023+A11:2023, EN 62233:2008

EN IEC 55014-1:2021

EN IEC 55014-2:2021

EN IEC 61000-3-2:2019+A1:2021

EN 61000-3-3:2013+A1:2019+A2:2021

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

Picote Solutions Oy Ltd, Pienteollisuustie 24
06450 Porvoo, Finland

28th May 2025

Katja Lindy-Wilkinson
C.E.O.

Picote Solutions Oy Ltd



TECHNICAL INFORMATION

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TECHNICAL DATA:

Size MM (Inches)	Hose length m (ft)	Drain Diameter Mm (inches)	Max. Air Volume (m ³ /min)	Max. Air Velocity (m/sec)	Output (W)	Power Source	Weight (kg/lbs)	IP Rating
340x160x210 (13.4x6.3x8.3)	0.7– 2m (2.3-6.5ft)	DN50-300 (2-12")	2.1	73	1600	110- 125V	4.2 (9.2)	20
350x160x210 (13.8x6.3x8.3)	0.7– 2m (2.3-6.5ft)	DN50-300 (2-12")	3.1	165	2200	220- 240V	5.0 (11)	20

INTENDED USE:

This machine is intended for the following uses:

- Drying pipes after water jetting/cleaning.
- Speeding up the curing process when using the Picote Brush Coating™ system.

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 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.

EQUIPMENT & ACCESSORIES

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Picote Heater 2.0 Products	
PN	Description
1350000026	Heater 2.0 230V EU
1350000026UK	Heater 2.0 110V UK
1350000026US	Heater 2.0 110V US
1350000026AUS	Heater 2.0 230V AUS
900004219	2.5m Hose
Picote Heater 2.0 Spare Parts	
900004208	Hose Clip
900004207	Standard Hose
900004211	Filter package for 230V models
900004205	Filter package for 110V models
900004203	Heat Insulation Sleeve
900004210	Carbon Brush for 230V models
900004204	Carbon Brush for 110V models
900004212	Heating Element for 230V models
900004206	Heating Element for 110V models

OPERATION

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Before Operation:

- Before powering up, always make sure that all the openings are properly ventilated.
- Ensure enough space for Picote Heater. Do not cover the air inlet.
- 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:

- 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.
- Place the Heater Hose inside the pipe. Secure the hose with hose clamps or a nozzle piece.
- If Picote Brush Coating™, ensure the curing process has already begun before powering up the Picote Heater. The resin should be allowed to gel for approximately 20 minutes before applying the Picote Heater. If the Picote Heater is powered before curing has started, waves can be created in coating layer.
- Plug Picote Heater into an appropriate power source.
- Turn on the Picote Heater.
- The coating material needs to be touch dry before adding a new coating layer.
- If the next coating layer is going to be applied after more than 12 hours, the original coat needs to be abraded with a Smart Cutter™ first to make sure that the layers bond properly.
- Please refer to the Picote Solutions Mini Coating Pump, Maxi Coating Pump, or Xpress Coating System Operation and Safety manuals for more detailed information.
- **Note:** Picote Heater air outlet temperature is limited to +55°C (131°F).
- The Picote Heater has automatic thermal cut-out in both motor and heating element.

MAINTENANCE

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- Before performing any maintenance always check that the Picote Heater is turned off and unplugged.
- Carefully inspect Heater Hose to ensure that there are no signs of wear and tear. Replace when required.
- For safety and efficiency, always keep the Picote Heater and its air inlet clean.
- Only use the Picote Solutions accessories and attachments with the machine described in this Operation & Safety 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.

Cleaning and Replacing the Air Filter:

- The Air Filter should be cleaned regularly. It can be washed with warm water and dish soap.
- Replace the Air Filter if it is damaged.
- Never use a wet or clogged Air Filter!
- To remove the Filter, pull it out of its housing.
- To install the Filter, push it in to its housing. Make sure it is not folded and covers the entire opening.

Cleaning the Picote Heater:

- Unplug the machine.
- Use a damp microfiber cloth to clean the surfaces. If required, a mild cleaning agent can be used.

WARRANTY POLICY & PROCEDURE

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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 and batteries 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. Regular periodic maintenance of Products,
3. Misuse, neglect, or improper installation or maintenance of the Products, or use of Products not for their intended purpose,
4. 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;
5. 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, NON INFRINGEMENT, 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.

TRAINING

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TRAINING CENTRES:

- Phoenix, Arizona, **USA**
- Porvoo, **Finland**
- Sandhurst, England, **UK**



Picote Certified Installer Training for Picote Brush Coating™ is highly recommended to get the most out of your investment.

Certificates are awarded for all certification trainings.

Visit our website at www.picotegroup.com or contact us at training@picotesolutions.com to find out about course offerings, pricing, and scheduling.

For Picote Brush Coating™ Certified Installer Training you will receive a Picote ID Card for completion (UK only), which can be used for the tendering process and on site.

Visit our website at www.picotegroup.com or contact us at training@picotesolutions.com to find out about course offerings, pricing, and scheduling.





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www.picoteinstitute.com

Technical Support

support@picotesolutions.com

Authorized Resellers:

www.picotesgroup.com/resellers

Production & R&D

Pienteollisuustie 24
06450 Porvoo, Finland
support@picotesolutions.com

Claims

claims@picotesolutions.com