



# HEATER

## 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)

Always use Personal Protective Equipment including suitable protective clothing, footwear, plus:



Suitable eye protection to protect against sewage, chemicals or dust 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.

# GENERAL OPERATION & SAFETY

## SAVE ALL WARNINGS AND INSTRUCTIONS FOR FUTURE REFERENCE

### **WARNING**

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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. 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. Avoid damaging internal parts.



3. Wear Ear Protection. The typical A-weighted noise level determined according to EN60745:Sound pressure level (LpA): 78 dB (A)



4. Make sure the pipe has been opened and ventilated to prevent any gases accumulating.  
5. 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. 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 Heater.

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 Heater has been stored in 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.

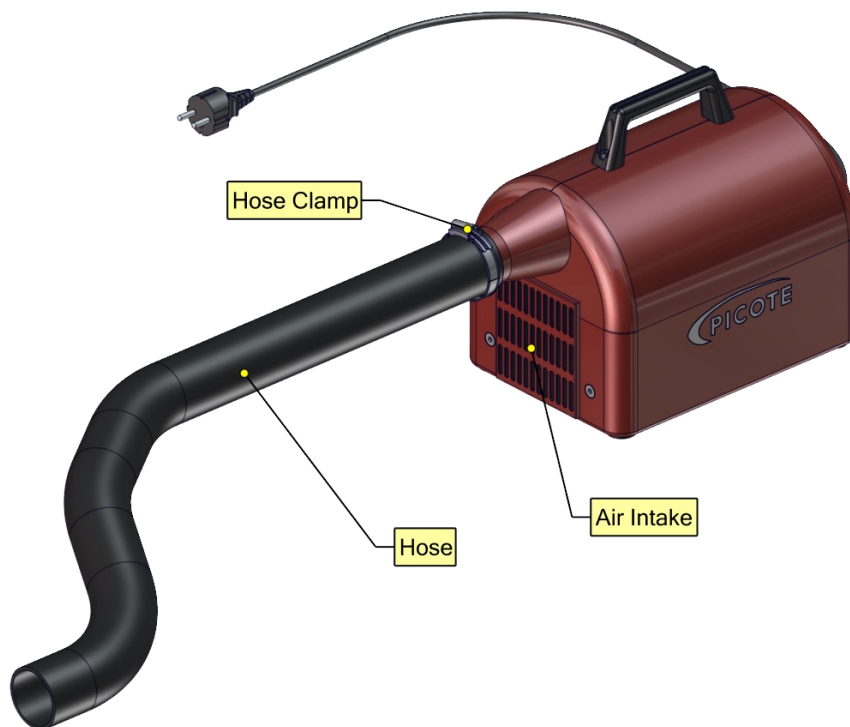
### **DISPOSAL**

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.

# GENERAL INFORMATION

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## TECHNICAL DATA

Size MM (Inches)	Hose length m (ft)	Drain Diameter Mm (inches)	Max. Air Volume (m <sup>3</sup> /min)	Max. Air Capacity (m/sec)	Output (W)	Power Source	Weight (kg/lbs)	IP Rating
287x205x180 (11x8x7")	5 m(16')	DN50-300 (2-12")	2.20	75-100	1600	Electric Motor	5.8 (12.8)	23

## 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 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.

# EQUIPMENT & ACCESSORIES

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## US Products



### Picote Heater

Decrease time between coats for Picote Brush Coating™ system. Includes 16ft Heater Hose. Air outlet temperature is limited to 131F. Automatic thermal cut-out in both motor and heating element. Max. air velocity up to 100m/s and max. air volume 2.20m<sup>3</sup>/min. Minimal noise: 78dBA.

Product #	Model/Part
1350000024US	Picote Heater 110v
9990001099	Heater Hose 16.4 ft

## EU/ROW Products



### Picote Heater

Decrease time between coats for Picote Brush Coating™ system. Includes 5m Heater Hose. Air outlet temperature is limited to +55°C. Automatic thermal cut-out in both motor and heating element. Max. air velocity up to 100m/s and max. air volume 2.20m<sup>3</sup>/min. Minimal noise: 78dBA.

Product #	Model/Part
1350000024	Picote Heater 230v
1350000024UK	Picote Heater 110v
9990001099	Heater Hose 5 metres

# CE DECLARATION OF CONFORMITY

**SAVE ALL WARNINGS AND INSTRUCTIONS FOR FUTURE REFERENCE**

**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, Pienteollisuustie 24  
06450 Porvoo, Finland

1st February 2018



Katja Lindy-Wilkinson  
C.E.O.  
Picote Solutions Oy Ltd



# 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 the curing has started, waves will be created in the coating layer.
- Plug the Picote Heater into the 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, Maxi, or Xpress Coating 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 the 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.

# 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.

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# TRAINING

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## TRAINING CENTRES:

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



Picote training is highly recommended to get the most out of your investment.

Visit our website at [www.picotegroup.com](http://www.picotegroup.com) or contact us at: [training@picotesolutions.com](mailto:training@picotesolutions.com) to find out about course offerings, pricing, and scheduling. Certificates are provided for all trainings.





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