TUTCO HEATING SOLUTIONS GROUP | SureHeat

The best choice in hot air tools

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Hot Air Gun Tools and Accessories

Applications

Tutco SureHeat has developed hundreds of specialty products for the most demanding applications. With air temperatures quickly and accurately controllable to 1652°F (900°C), Tutco SureHeat air heaters are perfect solutions for critical industrial hot-air processes.

Aerospace

- Combustion
- Valve / Flow Simulation
- Component Testing
- **Maintenance Repair & Overhaul**

Automotive

- Bonding Body Panels
- Curing Adhesives
- Vacuum Forming
- **Testing and Simulation**

Electronics

- Wave Soldering Air Knife
- Soldering / De-soldering
- PCB Drying Processes
- **Wire Insulation Heat-shrink**

Packaging

- Sealing / Curing
- Heat-shrinking
- Forming
- **Sterilization**

Medical

- Pharmaceutical Manufacturing
- Packaging Processes
- Medical Hardware Sterilization
- **Wire Insulation Heat-shrink**

Plastics

- Salt Removal
- Bending / Forming of Parts
- Bonding Molded Parts
- **Curing Adhesives**

Textiles

- Welding plastic or vinyl fabrics
- Heat-treating specialty fabrics

Paper Printing

- Speed drying coated paper
- Adhesive activation and curing
- Ink drying

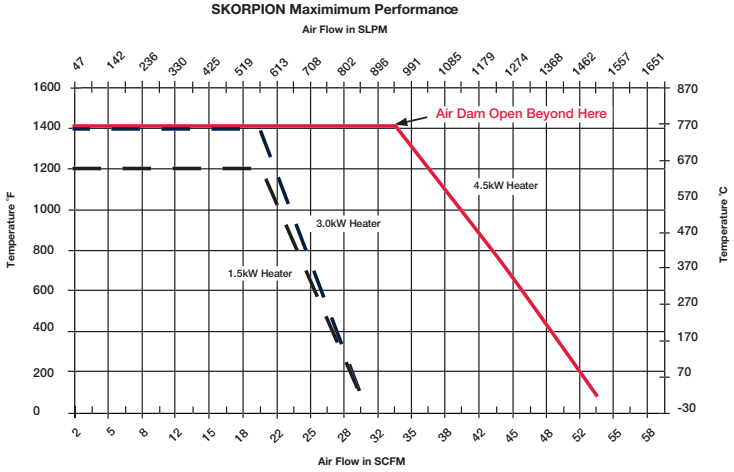
SKORPION™ Air Heater

This SKORPION™ Air Heater is a complete heater, including blower and control unit that is ready to plug in and use. The heater features a convenient digital display shows the current operating temperature and built-in over-temperature protection. Models are available without the blower for use with customer supplied air source. SKORPION Air Heaters come with a two-year limited warranty.

Specifications

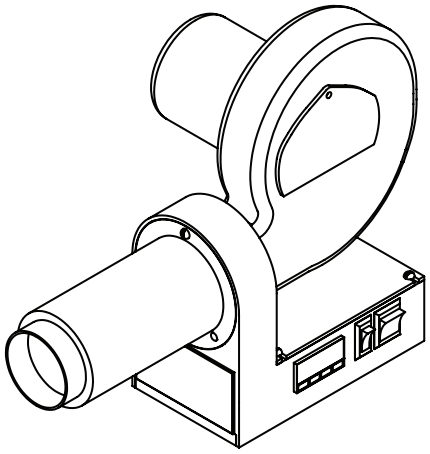
Heating capacity	Controllable to 1400ºF (760ºC)
Power ratings	1.5kW - 4.5kW, 120/230 - 1ϕ
Maximum inlet temperature	200ºF (93ºC)
Minimum airflow	Recommended - 2SCFM
Marked	CE RoHS

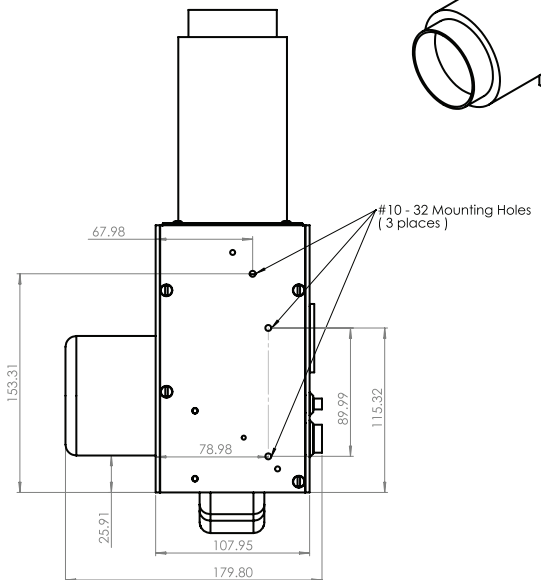
Performance

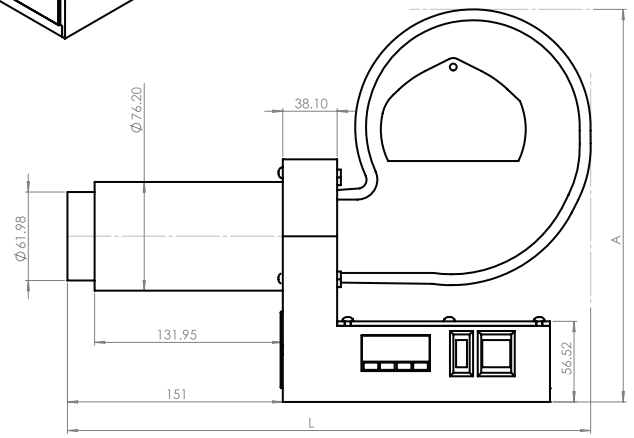


* Air Temperature as measured by internal Type K thermocouple.

Installation

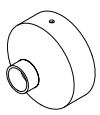






Model Number		Max. Watts	Max. Volts	Max. Amps	Height “A”	Height “B”
075615	SKORPION™	1.5kW	120-1ϕ	12.5A	9.18”	13.38”
075616	SKORPION™	3.0kW	230-1ϕ	12.5A	9.18”	13.58”
076008	SKORPION™	4.5kW	230-1ϕ	20.0A	10.84”	14.44”
075869	SKORPION™ without blower	1.5kW	120-1ϕ	12.5A		
075835	SKORPION™ without blower	3.0kW	230-1ϕ	12.5A		
075869	SKORPION™ without blower	4.5kW	230-1ϕ	20.0A		

Accessories		
075744	High flow nozzle	21mm (1”) diameter opening - slip on mount with set screw
075745	Standard flare	150mm x12mm (6”x0.5”) opening - slip-on mount with set screw
075746	Wide flare	300mm x 4mm (12”x0.16”) - slip-on mount with set screw



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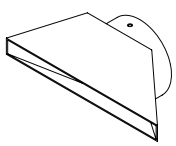

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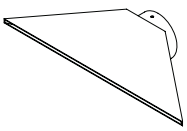
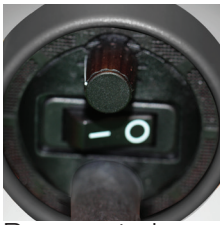


075746

The TUBE-Q Hot Air Tool

This powerful welder is equipped with a double turbine system to produce maximum hot air flow for your industrial welding needs. Utilizing a traditional tubular handle design, The Tube-Q welder includes only high quality German-made parts including motor, circuit board and heat element. A large assortment of nozzles and accessories (pages 10 & 11) are available for use with the Tube-Q welder for your various welding needs.



Rear controls

Applications:

- Roof seam welding
- Flooring installations
- Repairing and making truck tarpaulins and awnings
- Overlap welding of vinyls and coated fabrics
- Tank construction
- Heating thermoplastics for forming and bending
- Drying
- Installing pool liners, roofing and flooring
- Automotive manufacturing processes
- Shrinking tubing, molded parts, sleeves, etc.
- Defrosting and warming
- Activating adhesives
- Plastic fabrication

Specifications	
Air Output	400 L/min
Heating Capacity	1650 Watts, 120V (1500 Watts, 230V)
Noise Emission	<70 dB
Weight	3 lbs, 8 oz
Marked	GS CE
Double Insulated	⧈

Model Number	Description
F077164	120V, 1650W, Heat Gun
F077166	230V, 1500W, Heat Gun

Heating Element	Description
F077165	120V, 1650W, Replacement Heating Element
F077167	230V, 1500W, Replacement Heating Element

Mini-Electronic Compact, lightweight hot air welder

Ideal for plastic fabricators and tank manufacturers because of its light weight and ease of use. The totally insulated Mini-Electronic hot air welder has a heating capacity of 1300 Watts, 120 V. The heat is infinitely variable from 68 to 1290˚F and is kept constant electronically. The required air supply can be provided by a compressor or shop air. An additional control regulates the air supply. For building sites and outdoors, a hand transportable blower, model F077207, will supply the necessary air. This unit is particularly useful in welding plastic sheeting, pipes, fittings and tank fabrication because of its easy-to-handle size. Push-on welding tips work with the 5mm nozzle. The M10 adaptor nozzle with threads enables screw-on welding tips to be used in welding operations. When used with compressed air source, air regulator and filter recommended.

Specifications	
Voltage	120V, 50/60 Hz 230V
Heating Capacity	1300 Watts, 120V. 1500 Watts, 230V.
Temperature	68-1290° F Infinitely variable
Air Requirements	80-250 liters/min. (3-5 psi)
Hose Length	9 ft.
Marks	CE

Model Number	Description
F077205	120V, 1300W, Heat Gun
F077207	120V, Mini Blower
F077208	120V, 1300W, Mini Heat Gun with Blower
F077209	230V, 1500W, Mini Heat Gun with Blower

Mini-Electronic Weld Kits	Description
F077212	120V, 1300W, Mini Kit, Push-On Round Tips
F077213	120V, 1300W, Mini Kit w/o Blower, Push-On Round Tips
F077214	120V, 1300W, Mini Kit, Push-On Triangle Tips
F077215	120V, 1300W Mini Kit, Threaded Round Tips
F077216	120V, 1300W, Mini Kit, Threaded Triangle Tips

Heating Element	Description
F077206	120V, 1300W Replacement Heating Element
F077167	230V, 1500W, Replacement Heating Element

Grand-SE Hot Air Tool

The powerful hot air blowers for trade and industry

Features:

- Hot air blower can be hand held or built into a machine for continuous operation.
- Use wherever hot air is needed for warming, heating, forming, shrinking or activation.
- Air flow rate of 450 liter/minute depending on the nozzle used.
- Brushes are easily changed from the outside without opening the tool.
- For the painting and decorating industry, the wide slot push-on nozzle removes old paint and varnish easily.

Specifications	
Voltage	120 or 230 V, 50/60 Hz
Heating Capacity	2200 Watts or 3000 Watts
Temperature	Variable 20 - 650°C electronically controlled
Air Flow Rate	450 liters/min depending on nozzle used
Weight	2 lbs. 11 oz.
Cable	9 ft. 10 in.
Mark	CE

Model Number	Description
F077319	120V, 2200W Heat Gun, 20mm
F077320	230V, 3000W Heat Gun, 20mm
F077321	230V, 3400W Heat Gun, 20mm

Heating Element	Description
F077200	120V, 2200W, Replacement Heating Element
F077202	230V, 3400W, Replacement Heating Element
F077203	230V, 3000W, Replacement Heating Element

The TUBE-G Hot Air Tool

With tube handle design and double turbine system for even more hot air flow. Using the same high quality reliable German-made parts as the Grand-SE, the Tube-G-Electronic offers you a traditional tubular handle design with a powerful 600 L/min air output.

Applications:

- Roof seam welding
- Flooring installations
- Repairing and making truck tarpaulins and awnings
- Overlap welding of vinyls and coated fabrics
- Tank construction
- Heating thermoplastics for forming and bending
- Drying
- Installing pool liners, roofing and flooring
- Automotive manufacturing
- Shrinking tubing, molded parts, sleeves, etc.
- Defrosting and warming
- Activating adhesives

Specifications	
Voltage	120 or 230 V, 50/60 Hz
Heating Capacity	2200 Watts or 3000 Watts or 3400 Watts
Temperature	20-700° C, infinitely variable
Air Flow Rate	600 L/Min air flow
Weight	1.5 kg with mains connection lead
Protection Class	II / ⧈ (double insulation)

Model Number	Description
F077199	120V, 2200W, Heat Gun, 20mm
F077201	230V, 3400W, Heat Gun, 20mm

Heating Element	Description
F077200	120, 2200W, Replacement Heating Element
F077202	230V, 3400W, Replacement Heating Element

Vento-G (Brushless) Hot Air Tool

The efficient brushless hot air fan with a service-friendly motor and a strong air output of 480 litres/minute

The hot air tool, Vento-G, with brushless motor is used for for in-line or off-line applications such as warming, heating, molding, shrinking and heat activation. The Vento-G allows a high-performance permanent use in industrial processes, machines and systems without maintenance of the motor. With consequential optimization of the active core elements of the motor and the use of modern individual cog winding, the power density is considerably increased in comparison to standard brushless motors.

Applications:

- Plastics fitters
- Tank construction
- Manufacture of ventilation pipes
- Sealing
- Mechanical engineering
- Conveyors and materials handling technology
- Packaging industry
- Wine and spirits bottling plants
- Painting and decorating industry
- Printing and label industry
- Automotive industry

Specifications	
Voltage	230V, 50/60 Hz
Power	230V, 3000W or 3400W
Output Temperature	68 - 1290°F (20-700°C)
Noise Emission Level	<70 dB
Double Insulated	
Weight	1.5 kg with mains connection lead
Protection Class	II / ⧈ (double insulation)

Model Number	Description
F077204	230V, 3400W, Heat Brushless, 20mm

Heating Element	Description
F077202	230V, 3400W, Replacement Heating Element
F077203	230V, 3000W, Replacement Heating Element

Type 3000E Hot Air Tools

Modern hot air tools for numerous applications

Features:

- Electronically controlled infinite heat settings in 120, 230 or 380V
- Heating capacity 3000 W for a maximum temperature of 700˚C (1290˚F)
- Requires external air supply
- Suitable for continuous duty
- Used on conveying systems, in machines, in heating ducts and in various apparatus
- Push-on nozzles available for various applications

Specifications	
Voltage	120, 230 or 380V
	Single Phase
Heating Elements	Type 3000E electronically controlled 1900W, 120V 3000W, 230V 3000W, 380V
Marks	

Model Number	Description
F077295	Type 3000E, 230V, 3000W
F077296	Type 3000E 380V, 3000W
F077305	Type 3000E, 120V, 1900W

Heating Element	Description
F077278	230V, 3000W Replacement heating element
F077279	380V, 3000W Replacement heating element
F077317	120V, 1900W Replacement heating element.

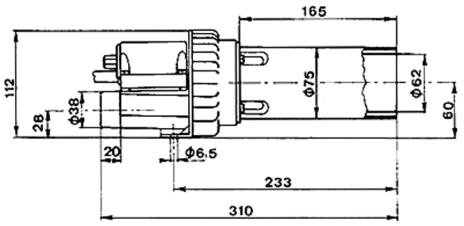
Nozzles	Description
F206790	150x1mm Wide Slot Nozzle, Type 3000/3000E
F206791	150x10mm Wide Slot Nozzle, Type 3000/3000E
F206757	Wide Slot Nozzle, 70x10mm
F206758	Wide Slot Nozzle, 70x4mm

Type 7500 Hot Air Tools

The “flagship” of our hot air tools

Features:

- Suitable for installation in machines, heating ducts, on conveyor lines, or in apparatus because of its robust and compact design
- Heating capacity electronically controlled and infinitely variable
- Available in 5000-Watt or 7500-Watt version— also available without electronics
- Maximum temperature 700˚C (1290˚F)
- Operates with external air supply
- Virtually no maintenance
- Suitable for continuous duty
- Wide slot nozzles up to 300mm are available to adapt the air flow to the individual application



Specifications	
Voltage	230V - 240V 380 - 440V
	Single Phase
Heating Elements	5000W - 230-240V 5000W - 380-440V 7500W - 380-440V
Marks	CE

Model Number	Description
F077297	Type 7500, 230-240V, 5000W
F077298	Type 7500, 380-440V, 5000W
F077299	Type 7500, 380-440V, 7500W
F077300	Type 7500. 380-440V, 10000W

Heating Element	Description
F077280	230V, 5000W Replacement Heating Element
F077281	380-440V, 5000W Replacement Heating Element
F077282	380-440W, 7500W Replacement Heating Element

Nozzles	Description
F206792	200x5mm Wide Slot Nozzle, Type 7500
F206793	300x5mm Wide Slot Nozzle, Type 7500

Heat Gun Accessories

Nozzles for Quick-SE, Tube-Q, Mini-Electric and Hot Air SE

Flat Nozzle
F206720
20mm

Flat Nozzle
F206625
40mm

Flat Nozzle
F206723
40 mm perforated

Flat Nozzle
F206727 60mm
F206728 80mm

20mm Angled
Flat Nozzle
F206721 90º
F206722 60º

Shrinking Nozzle
F206725
20x5mm

Shrinking
Reflector
F206627

Shrinking Nozzle
F206724
15mm round

Soldering Nozzle
F206726
10mm round

Brush Kit for
Mini-electronic
blower and
Grand-SE
F206632

Brush Kit for
Tube tools
F077328

Speed Nozzles - Push on for F206624 Adaptor

5mm Round
Adaptor for Push-
On Speed Tips
F206624

Round Tips
F206730 4mm
F206731 5mm

Tacking Tip
F206630

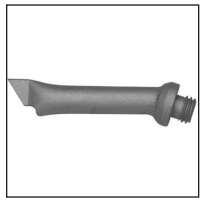
Triangular Tips
F206732 for 1/8" rods
F206733 for 5/32" rods
F206734 for 3 1/16" rods

Speed Nozzles - Threaded for F206626 M10 Adaptor

M10 Adaptor for
Threaded Speed
Tip Welding
F206626

Round Tips
F206735 3mm
F206736 4mm
F206737 5mm

Triangular Tips
F206738 for 1/8" rods
F206739 for 5/32" rods
F206740 for 3 1/16" rods



Tacking Tips
F206631

Tacking Tips
Hooked
F206741

Heat Gun Tools

Pressure Rollers

45mm 1 Axle
F206742

45mm 1 Axle 45°
F206743

45mm 2 Axle
F206744

80mm 2 Axle
F206745

5mm Roller for
Round Rod
F206746

9mm Custom Seal
Pressure Roller
F206747

Accessories

Quarter-Moon Knife
F206748

V-Grooving Tool
F206750
F206751 Blades 5

Weld Seam Slide
F206749

Contact Information

For Orders and Product Information

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Sales & Tech Support Email: support@tutcosureheat.com

Limited Liability Warranty

Tutco SureHeat warrants that all products to be delivered hereunder will be free from defects in material and workmanship at the time of delivery. Tutco SureHeat's obligation under this warranty shall be limited to (at its option) repairing, replacing, or granting a credit at the prices invoiced at the time of shipment for any of said products. This warranty shall not apply to any such products which shall have been repaired or altered, except by Tutco SureHeat, or which shall have been subjected.

Tutco SureHeat shall be liable under this warranty only if (A) Tutco SureHeat receives notice of the alleged defect within sixty (60) days after the date of shipment; (B) the adjustment procedure hereinafter provided is followed, and (C) such products are, to Tutco SureHeat's satisfaction, determined to be defective.

THE WARRANTY SET FORTH IN THE PRECEDING PARAGRAPH IS EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, WITHOUT LIMITATION, ANY IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE OR OF MERCHANTABILITY.

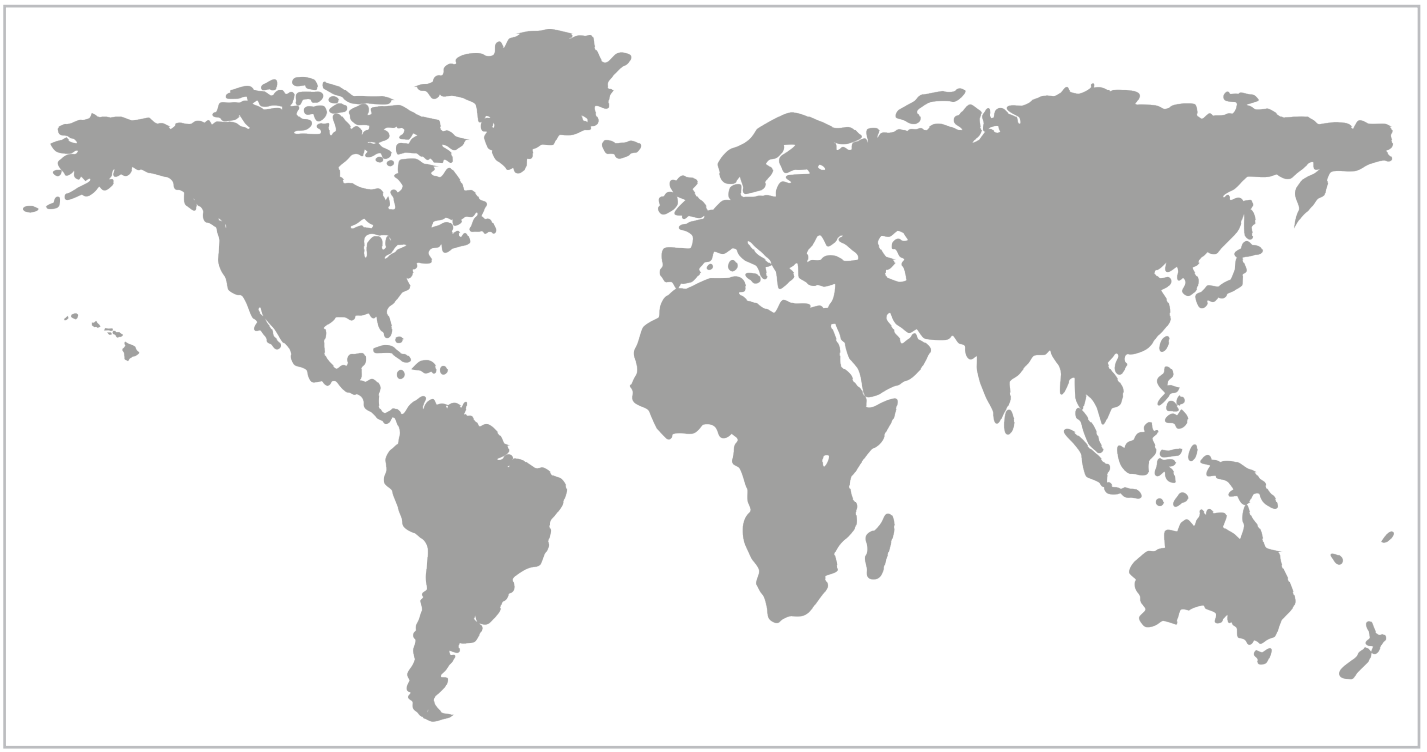
The information contained in this manual is based on data considered to be true and accurate. Reasonable precautions for accuracy has been taken in the preparation of this manual, however Tutco SureHeat assumes no responsibility for any omissions or errors, nor assumes any liability for damages that may result from the use of the product in accordance with the information contained in this manual.

Please direct all warranty/repair requests or inquiries to the place of purchase, and provide the following information, in writing:

(A) Order number under which products were shipped
(B) Model/Serial Number of product
(C) Reason for rejection

PRODUCTS CAN NOT BE RETURNED TO TUTCO SUREHEAT WITHOUT AUTHORIZATION.
Replacement, repair, or credit for products found to be defective will be made by the place of purchase.
All products found to be not defective will be returned to the Buyer; transportation charges collect or stored at Buyers expense.

Worldwide Locations



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