

MAX. TEMP: 1400°F / 760°C

POWER: 1.6kW - 24 kW

MAX AIR PRESSURE: 150 PSI

MAX. SCFM: 135 SCFM

Skorpion™ Benchtop Air Heaters

LEGACY PRODUCT

Max temperature up to 1400°F / 760°C

Style A – Leak-proof design with sealed feedthrough, suitable for high-pressure systems

Style B – Flexible wire leads for general applications and moderate pressures
Power 1.6kW – 24 kW, voltage 120–480V.

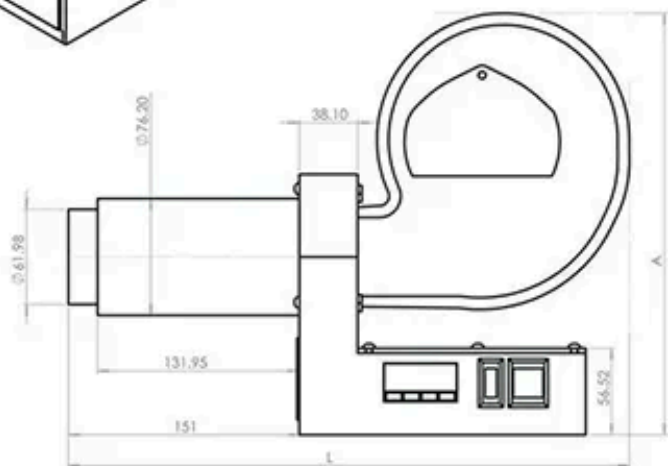
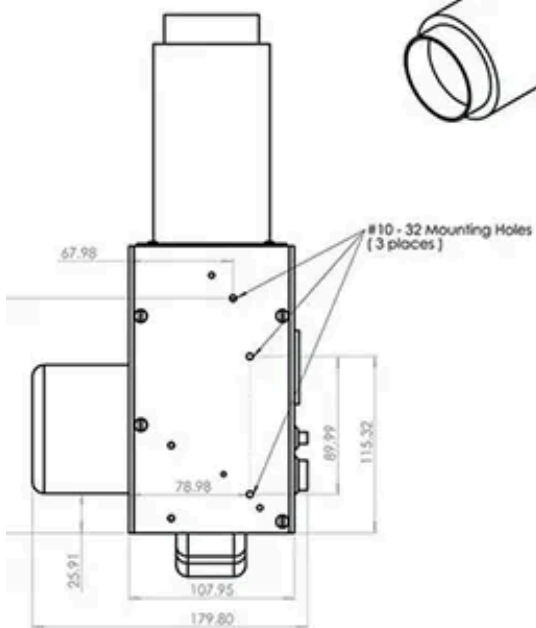
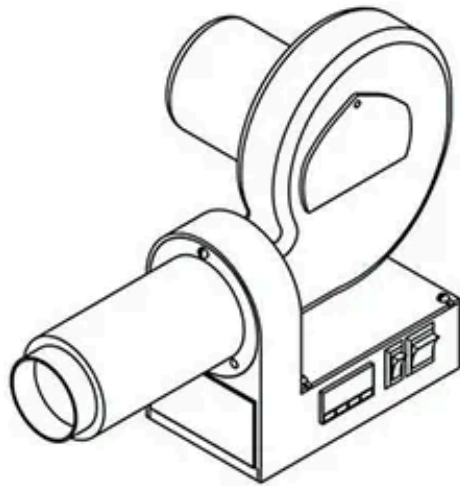


Compact, High-Performance Hot Air Solutions for Precision Applications

TUTCO SureHeat **Skorpion™ Benchtop Air Heaters** have been discontinued and are now a Legacy Product. If you have a question or need support for a Skorpion Heater, please contact us directly. These heaters were expertly designed to deliver precise, efficient, and reliable **air heating for laboratory experiments, research and development projects, and low-volume manufacturing processes**. With the ability to reach **temperatures up to 1,400°F (760°C)**, the Skorpion™ provides rapid heat-up times and stable, consistent airflow, ensuring accurate temperature control even in demanding applications. Its compact, benchtop-friendly design allows integration into constrained workspaces, making it ideal for setups where traditional industrial heaters are too large or cumbersome. Available in both integrated blower models for standalone use and blowerless models for connection to existing air sources, the Skorpion™ series delivers unmatched flexibility and adaptability, supporting a wide range of process heating needs, including precision drying, curing, shrink-wrapping, adhesive activation, and component testing. Built for durability and long-term performance, these heaters provide researchers, engineers, and production teams with a reliable solution for repeatable, high-quality results in a variety of industrial and laboratory environments.

Product Specs

Heating Capacity.....	Controllable to 1400°F (760°C)
Power Ratings.....	1.5kW - 4.5kW, 120/230 - 1o
Maximum Inlet Temperature.....	200°F (93°C)
Minimum Airflow.....	Recommended - 2SCFM



Discover Which Skorpion Heater is Best for Your Application

Use the table below to determine the optimal SKORPION for your application, or contact TUTCO SureHeat to discuss specific process requirements and receive expert support.

Features & Benefits

- **High-Temperature Capability** – The Skorpion™ delivers exhaust temperatures up to 1,400°F (760°C), allowing it to handle even the most demanding laboratory, R&D, and industrial applications requiring precise high-heat airflow.
- **Integrated or Blowerless Options** – Choose from models with a built-in high-performance blower for immediate, standalone use, or blowerless units that can be connected to existing air sources for maximum flexibility in process integration.
- **Compact & Portable Design** – Designed to fit on benchtops and small workstations, the Skorpion™ is lightweight and easy to position, making it ideal for tight spaces where conventional hot air tools are too large or cumbersome.
- **Precise Digital Temperature Control** – Equipped with a digital controller and over-temperature protection, the heater allows accurate monitoring and regulation of airflow temperatures, ensuring consistent, repeatable results.
- **Rapid Heat-Up and Recovery** – The Skorpion™ reaches target temperatures quickly and maintains them consistently, reducing downtime between cycles and improving overall process efficiency.
- **Field-Serviceable Components** – Designed with easy-to-replace parts, the Skorpion™ minimizes maintenance costs and downtime, making it a long-term, reliable investment.
- **Versatile Applications** – Perfect for benchtop applications in laboratories, research and development facilities, low-volume manufacturing, and prototype testing, where precise airflow and temperature control are critical.
- **Durable, Long-Lasting Construction** – Built from high-temperature composite materials to withstand extended use, the heater ensures reliable performance over years of operation.
- **Energy-Efficient Design** – Minimizes heat loss through insulated housings and efficient airflow paths, reducing energy consumption while delivering high-performance heating.
- **Safe Operation** – Over-temperature protection and controlled airflow design reduce the risk of overheating, ensuring safe operation in laboratory or industrial environments.

Specifications

- **Maximum Exhaust Temperature** – Up to 1,400°F (760°C)
- **Power Options** – 3 kW, 4.5 kW
- **Voltage Options** – 120V or 230V Single Phase
- **Airflow Rate** – Variable, depending on model
- **Housing Material** – High-Temperature Composite
- **Control Type** – Digital with Over-Temperature Protection
- **Mounting Style** – Benchtop

Competitive Advantages

Compared to similar benchtop air heaters, the Skorpion™ offers:

- **Higher Temperature Capability** – Many competitors max out at ~1,200°F; the Skorpion™ reaches up to 1,400°F.
- **Integrated Blower Option** – Provides flexibility to use the built-in blower or connect to an existing air source.
- **Compact & Portable Design** – Smaller and lighter than many competitors, making it ideal for benchtop use.
- **Precise Temperature Control** – Features digital controls with over-temperature protection for accurate and safe operation.
- **Field-Serviceable Components** – Designed for easy maintenance, reducing downtime and service costs.

Why Choose TUTCO SureHeat?

Industry Expertise: With decades of experience in industrial heating solutions, TUTCO SureHeat is a trusted name in the industry.

Reliable Performance: Our heaters are designed for consistent, repeatable results, ensuring quality and efficiency in your processes.

Comprehensive Support: We offer technical support, custom solutions, and integration assistance to meet your specific needs.

Global Reach: Our products are used worldwide, providing proven solutions in various industries.

Real-World Results

Improved Process Efficiency – Rapid and precise heat-up reduces cycle times, allowing manufacturers to increase throughput and improve overall productivity without sacrificing quality.

Consistent Product Quality – Uniform heating minimizes defects in curing, drying, and forming processes, ensuring every product meets exacting standards.

Energy Savings – Efficient heat transfer and reduced radiant heat loss lower energy consumption, helping facilities reduce operational costs.

Durable & Low Maintenance – Constructed from high-temperature composite materials with field-replaceable components, the heater is built for long-term reliability while reducing downtime and maintenance costs.

Enhanced Safety – Digital controls with over-temperature protection ensure safe operation, while the compact design allows for easy integration into benchtop setups.

Flexible Application – Suitable for laboratories, R&D facilities, and low-volume manufacturing processes across diverse industries.