| | |
|---|---|
| MAX TEMP: 1600°F 871°C | POWER: 650W - 2050W |
| SCFM: 300 SCFM@1000°F / 538°C | VOLTAGE: 120/240 V |

GET A QUOTE DETERMINE YOUR HEATER

# Series Spot Heaters

**Max temperature up to 1600°F / 871°C**
Power 650W - 2050W
7 - 180 V

**Applications:** automotive, transportation, electronics, medical, pharmaceutical, printing and OEM systems

# High-Performance Localized Heating for Industrial and OEM Applications

The TUTCO SureHeat **Series Spot Heaters** deliver precision, high-temperature performance in a compact, durable package, making them ideal for localized heating, **spot applications, and OEM integration**. Engineered for demanding industrial environments, these heaters provide consistent, reliable **heat up to 1,600°F (871°C)** with stainless steel construction and a robust, open-loop design compatible with digital temperature controllers. The Series line offers flexible solutions across three models—**Series I, II, and III**—to meet diverse requirements for airflow, heat output, and mounting configurations.

Designed for tight spaces and targeted heat applications, SureHeat Series Spot Heaters excel where conventional spot heaters, heat guns, or open-air blowers fall short. Their compact size allows seamless integration into **OEM machinery, production lines**, or manual process setups, while their durable construction ensures long-term reliability in industrial operations.

With decades of experience in **industrial heating solutions**, TUTCO SureHeat provides spot heaters that are efficient, precise, and easy to control, making them a trusted choice worldwide for manufacturers seeking high-performance localized heating.

## Overview of Series Spot Heaters

The TUTCO SureHeat Series includes three distinct models. All three models feature quartz tube construction, open-loop design, and compatibility with external digital temperature controllers, enabling flexible integration into a wide range of systems and applications.

## SERIES I

Compact, lightweight heaters for small-scale applications and limited spaces. Ideal for localized spot heating and manual setups.

## SERIES II

Medium-duty heaters offering higher airflow and temperature capacity, suitable for industrial process integration or small OEM machinery.

## SERIES III

Heavy-duty spot heaters delivering maximum temperature output and airflow, designed for large industrial processes or high-demand OEM equipment.

| | Series I | Series II | Series III |
|---|---|---|---|
| Maximum Air Temperature | 1400ºF / 760ºC | 1500ºF / 815ºC | 1600ºF / 871ºC |
| Tube Material | Clear Quartz | Clear Quartz | Clear Quartz |
| Airflow | Low | Medium | High |
| Power Options | 650W - 1050W | 650W - 1125W | 650W - 2050W |
| Controls | Direct control using F057081 Manual Voltage Regulator | Direct control using F057081 Manual Voltage Regulator | Direct control using F057081 Manual Voltage Regulator |
| Temperature/SCFM | 300 SCFH @ 1000ºF / 538ºC | 300 SCFH @ 1200ºF /648ºC | 600 SCFH @ 825ºF /440ºC |
| Mounting Options | Integrated mounting bracket | Integrated mounting bracket | Integrated mounting bracket |
| Phase & Voltage | 105-180V, 1-phase | 70-130V, 1-phase | 135-160V, 1-phase |

### Discover the Right Series Heater for Your Application

Use the model selector or consult with a TUTCO SureHeat representative to determine the ideal Series model for your process. Whether you require the light-duty Series I, medium-duty Series II, or heavy-duty Series III, SureHeat offers a high-performance solution tailored to your industrial needs.

### Features & Benefits

- **High Temperature Capability** – Achieve outlet temperatures of up to 1,600°F (871°C) for demanding applications.
- **Compact, Durable Design** – Quartz tube construction ensures longevity and resistance to industrial wear.

- **Fast Ramp-Up** – Open-loop design allows heaters to reach operational temperature quickly, reducing process time.
- **Versatile Mounting** – Integrated mounting bracket.
- **Multiple Models for Different Needs** – Series I for light-duty, Series II for medium-duty, Series III for heavy-duty applications.
- **Energy Efficient** – Direct electrical heating reduces wasteful energy loss compared to fuel-based or open-air systems.
- **Safety & Reliability** – Engineered to withstand industrial environments, providing consistent performance and minimal maintenance.

### Temperature Control & Compatibility

The TUTCO SureHeat Series Spot Heaters are designed for precision temperature control using manual voltage control, ensuring repeatable results and safe operation:

- **Controller Compatibility:** Works with F057081 Manual Voltage Regulator.
- **Open-Loop Operation:** Flexible for integration into existing control systems or custom OEM setups.

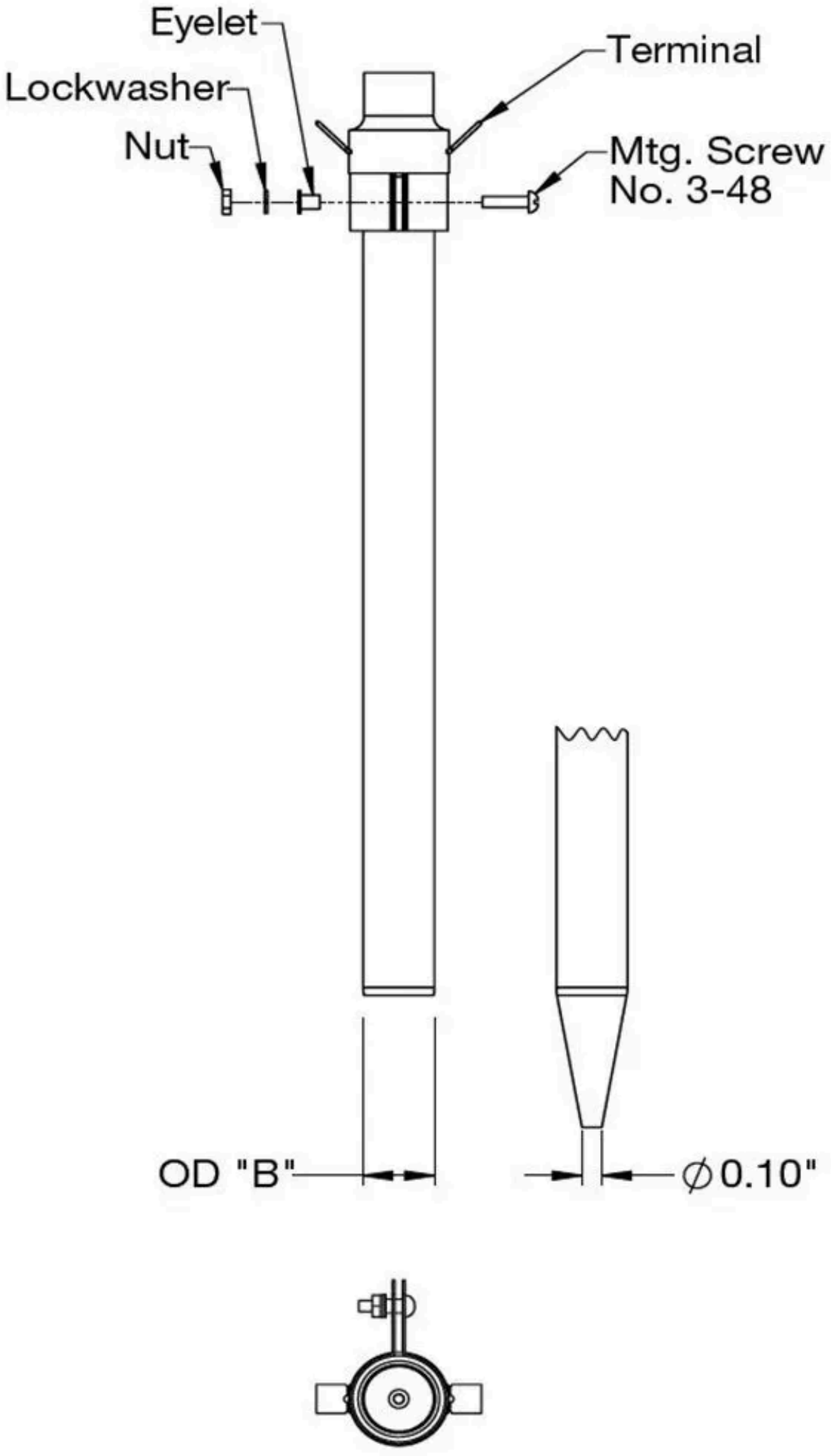
Stainless Steel outer shields are available for Series I and II.

## Industries & Applications

The SureHeat Series Spot Heaters are ideal for precision localized heating across multiple industries. The compact footprint and focused airflow of Series Spot Heaters allow them to be integrated into tight spaces or OEM systems, providing high-performance heat exactly where it is needed.

- **Automotive & Transportation:** Adhesive activation, panel bonding, heat forming, component testing, and curing.
- **Plastics & Packaging:** Shrink wrapping, sealing, forming, bending, and heat-setting applications.
- **Electronics & Semiconductor:** Component sealing, solder reflow, adhesive curing, quick drying of delicate parts.
- **Medical & Pharmaceutical:** Packaging, sterilization, lab testing, and precision drying applications.
- **Printing & Converting:** Laminating, coating, shrink wrapping, embossing, and localized drying.

Sure Heat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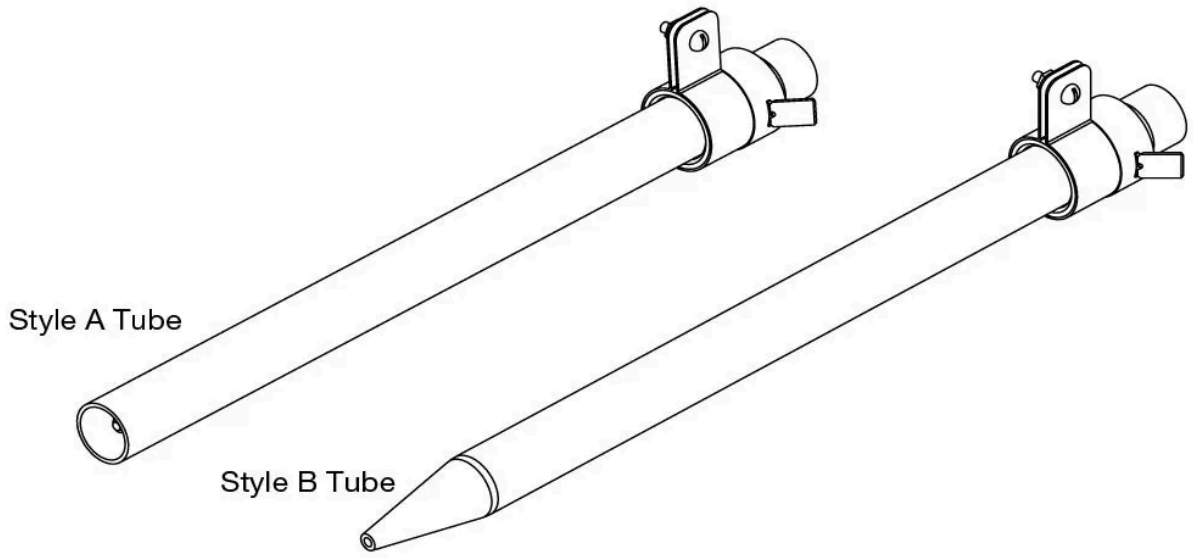
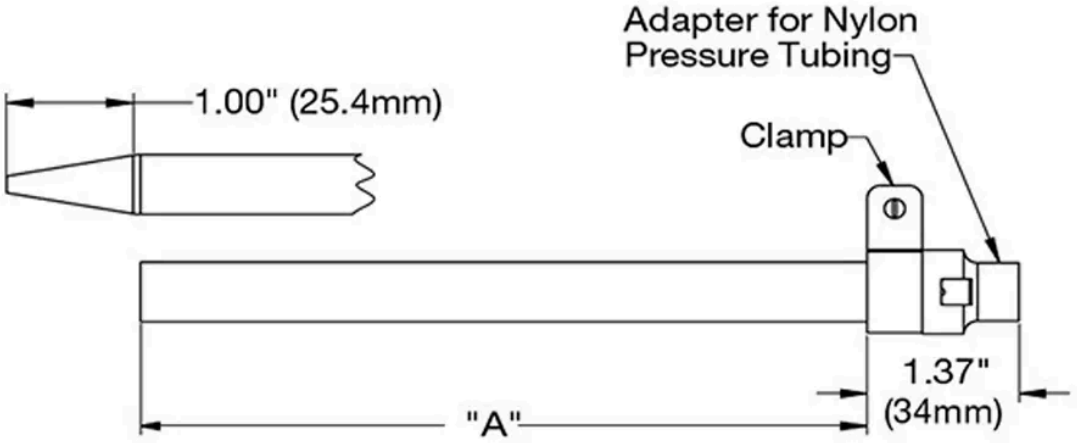

Style A Tube
Style B Tube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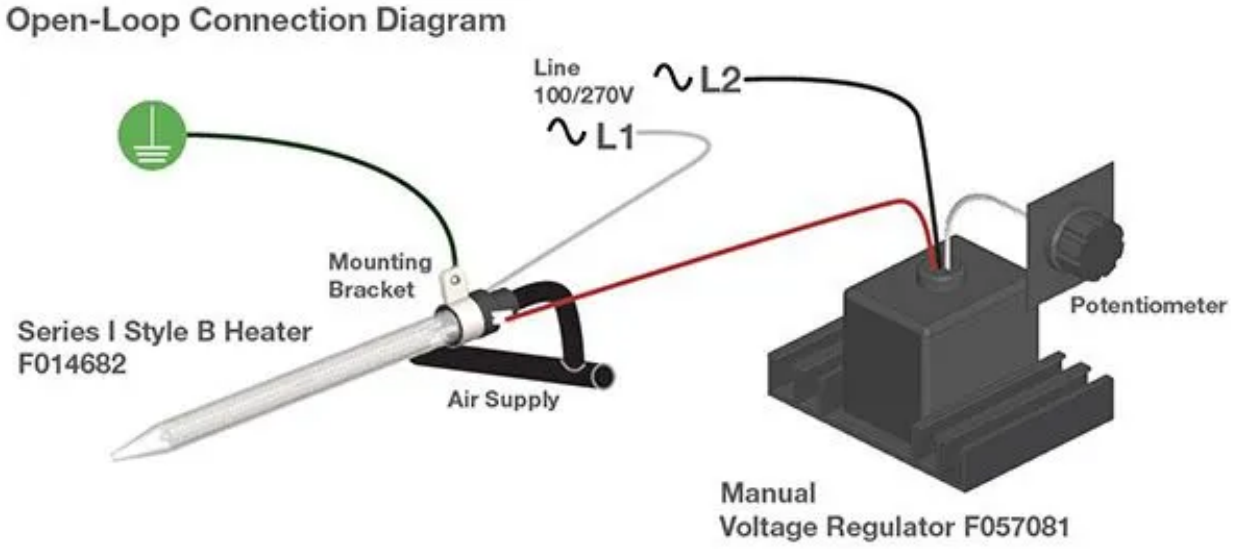
Clamp
1.37"
(34mm)
"A"


Open-Loop Connection Diagram
Line
100/270V
L2
L1
Mounting
Bracket
Series I Style B Heater
F014682
Air Supply
Potentiometer
Manual
Voltage Regulator F057081

Resources

**BROCHURES**
Series Data Sheet

**VIDEOS**
Air Heaters
Extending Element Life

## Why Choose TUTCO SureHeat Series Spot Heaters

**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, and integration assistance to meet your specific needs.
**Global Reach**: Our products are used worldwide, providing proven solutions in various industries.
**Superior Temperature Range:** Up to 1,600°F (871°C) to handle the most demanding industrial processes.
**Applications:** Manual process heating.
**Proven Reliability:** Backed by TUTCO SureHeat's decades of experience in industrial and OEM heating solutions, trusted worldwide.

Whether you are curing adhesives, shrink wrapping, drying components, or performing high-precision localized heating, the SureHeat Series provides efficient, reliable, and controllable performance unmatched by competing spot heaters.

## Compatible Controllers

Series I Heaters (F014683) 650W 105V
Series I Heaters (F014682) 680W 145V
Series I Heaters (F014372) 1000W 130V
Series I Heaters (F010226) 1050W 180V

Series II Heaters (F016503) 850W 80V
Series II Heaters (F016504) 650W 70V
Series II Heaters (F016502) 600W 95V
Series II Heaters (F016501) 1130W 130V

Series III Heaters (F017575) 1450W 135V
Series III Heaters (F017558) 2050W 160V

## Real-World Results

Customers using the SureHeat Series Spot Heaters report measurable benefits across a range of industrial operations:

- **High Heat in Confined Spaces** : Provides focused, high-temperature air for localized processes where larger blowers or open-air heaters cannot reach.
- **Consistent Quality** : Stable, repeatable temperatures ensure uniform heating, minimizing defects in adhesives, plastics, coatings, and sensitive electronic components.

- **Integration** : Suitable for manual setups.

## Frequently Asked Questions

**ARE SERIES SPOT HEATERS SAFE FOR CONTINUOUS OPERATION?** —

Absolutely. The heaters are built with quartz tube construction and robust stainless steel shields (on Series I & II) to withstand harsh environments. The open-loop design keeps the heater stable, and precise voltage control prevents overheating, ensuring safe, reliable operation.

**WHAT ARE THE ADVANTAGES OF USING TUTCO SUREHEAT SERIES SPOT HEATERS?** —

TUTCO SureHeat Series Spot Heaters provide fast, focused high-temperature heat in a compact package. Their small footprint makes them easy to integrate into tight spaces, OEM equipment, and production processes, while multiple Series I, II, and III models provide options for different airflow and heat-output requirements.

**WHAT MAKES THE SERIES SPOT HEATERS SUITABLE FOR LOCALIZED HEATING?** —

These heaters are compact, durable, and precise, making them ideal for tight spaces and targeted heat applications. Their focused airflow ensures heat is delivered exactly where it's needed, outperforming conventional spot heaters, heat guns, or open-air blowers. Integrated mounting brackets simplify installation into OEM machinery, production lines, or manual setups.

**HOW ARE THE SERIES SPOT HEATERS CONTROLLED?** —

The Series Spot Heaters operate via manual voltage control using the F057081 Manual Voltage Regulator, providing precise and repeatable temperature adjustments. Their open-loop design allows integration into custom OEM systems or existing control setups. Stainless steel outer shields are available for Series I and II for added protection.

**Part numbers:** F010226, F016502, F015509, F062543, F016504, F057083, F017558, F014683, F037261, F014682, F017853, F016501, F016503, F017575, F014372