



TUTCO HEATING SOLUTIONS GROUP **SureHeat**

Triple Pass Heaters



TUTCO SureHeat Serpentine Heaters

The Serpentine Triple Pass heaters are modular field replaceable air heater products commonly used in OEM applications. The popular air heater element consists of a versatile Serpentine™ coil that fits into a stainless steel “triple-pass” exchange housing and makes electrical connections through fittings pressed into the base, all of which can be ordered separately. The housing uses the incoming air to cool the outer shell prior to passing through the heater element. This minimizes radiant heat loss and provides a safe to the touch product to minimize injury to operators who come in contact with the heater. Air is commonly supplied by compressed air supply lines.

These heaters are designed for high reliability, long life, and substantial air flow. In-service applications include staking, curing, drying, heat-shrinking, sterilization, adhesive activation, air scrubbing, and air knives.

Our modular design allows for maximum versatility at the install by allowing the customer to buy only what they need.

[LEARN MORE](#)

Specifications

Maximum Temperature

1500°F (815°C)

Minimum Airflow

60 SCFH

Housing Material

Stainless Steel

CE, RoHS



Serpentine II

The Serpentine II is a popular air heater element that features a versatile Serpentine™ coil that fits into a stainless steel “triple-pass” exchange housing



Serpentine VI

The Serpentine VI is a popular OEM heater in which the housing uses the incoming air to cool the outer shell prior to passing through the heater element.

Field Replaceable Heater Elements

OEM custom field replaceable elements can be engineered to improve processes and element life based on application characteristics. We can even develop heavy duty replacement elements for competitive process heating products.



APPLICATIONS

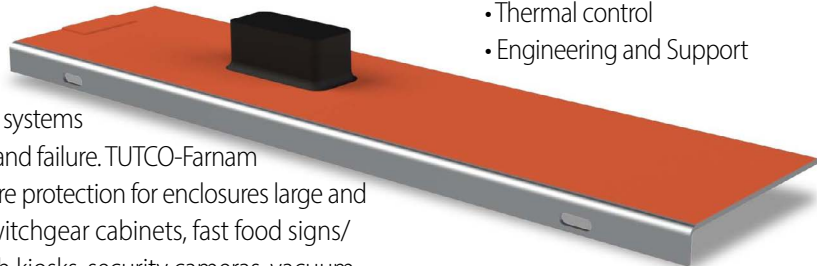
- Car Wash Kiosk
- Outdoor Control Panels
- Highway Traffic Signs
- Alarm Systems
- ATMs
- Fast Food Kiosk & Signage
- EV Charging Stations

BENEFITS

- Custom designs and components available
- Easy installation, safe operation
- Rapid heating
- Thermal control
- Engineering and Support

Feature Product
Enclosure Heaters

When outdoor cabinets and enclosures are exposed to cold temperatures the electronics and mechanical systems inside will take on moisture resulting in degradation and failure. TUTCO-Farnam air and surface heaters offer temperature and moisture protection for enclosures large and small. Our heaters are found in ATMs, stop lights, switchgear cabinets, fast food signs/ consoles, deal drawers, traffic signal boxes, car wash kiosks, security cameras, vacuum stations, alarm systems, and more. TUTCO-Farnam enclosure heaters provide rapid heat-up and excellent heat transfer. *Click on images below for more details.*



ENCLOSURE HEATER CALCULATOR

Use our Enclosure Heater Calculator for proper sizing for your application. Simply enter your application's unique criteria to determine how much power your enclosure requires.

[OPEN CALCULATOR](#)

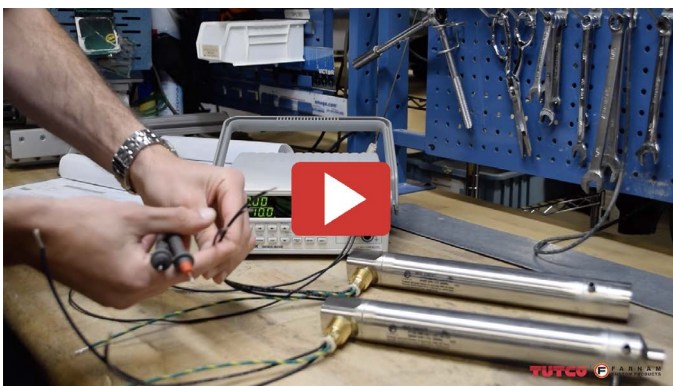
AXIAL HEATER

SILICONE RUBBER
ENCLOSURE HEATER

CROSSFLOW
BLOWER HEATER

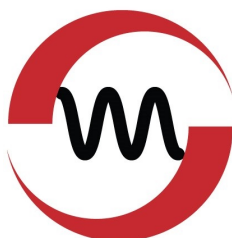
MICA ENCLOSURE HEATER

Feature Video
How to Check the Resistance of Your Heater



Once in awhile, we have a customer ask why their heater may not be making temperature or simply not operating. The first test we ask customers to perform is a resistance check on their heater. In this video, Matt Stenger, a TUTCO-Farnam's engineer, provides easy-to-follow instructions on how to check the resistance on our single-phase and three-phase heaters. To begin, you will need a multimeter and the heater. Testing the resistance of a TUTCO-Farnam heater is determined using OHMS LAW Equation and the heaters specs. Please note the +/- 5% final cold resistance tolerance on all TUTCO-Farnam process air heaters.

[CLICK TO WATCH VIDEO](#)



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