

Energy Transition



String coating process embraces electric solution using Flow Torch™ heaters

TUTCO Farnam was contacted by a regional power supplier to see if we could help one of their customers switch from natural gas to electricity. Operational costs for businesses in the area were spiking depending on the time of day due to natural gas not being prevalent in the region. This effort on the part of the power company was an attempt to keep local businesses in the area by making them more profitable through the use of electricity.

The company was manufacturing string that they were coating. In order to dry the coating, they were raising the string up to an oven that was 60' to 70' feet above the production floor. As the string came through the oven, it would come back down to finish the process. The inside of the oven, which was only required to reach a high temperature of perhaps 150° to 200°F, was in appalling condition.

Using TUTCO Farnam Flow Torches and controls, the company was able to use their own regenerative blowers for an air source and completely electrify the drying process. The new system ran more efficiently and created a cleaner and safer working environment and the company saw a return on its investment in four weeks.

To learn more about energy transition, [click here.](#)

High temperature/high pressure Threaded Inline Heaters



Threaded in-line air heaters are designed for industrial process heating applications requiring high-heat and high air pressure. Threaded inline air heaters are commonly connected to filtered compressed air supply lines and rapidly heat air for precise temperature control inline with heated industrial processes. Serpentine™ heating elements are installed into a 304 stainless steel housing and threaded at both ends. TUTCO SureHeat offers two styles of threaded inline heaters. Style “A” is used when a leak-proof air system is required by the application. If a standard threaded inline air heater solution is not suitable for your application, we can provide a custom inline solution to meet your high temperature/high-pressure needs.

[LEARN MORE](#)

Feature Video

Checking the resistance on Axial and CB Heaters



TUTCO Farnam engineer Jordi Enriquez-Ortiz demonstrates how to test the resistance on our Axial Fan Heater and a CB Heater. When tested with a multimeter, the measurement reading should match your drawing specifications. The two-circuit, single-phase CB heater shares a common wire between the two circuits and additional wires that are specific to the circuits. To properly test this heater, one lead is attached to the common wire and the second to the wire for each circuit. The readings should be approximately equal.

[WATCH THE VIDEO](#)

Style “A” Specifications

UL Recognized, CE, RoHS

High-pressure power feed-throughs

Leak-proof to 150 psi (10 bar)

Maximum inlet temperatures 900°F (482°C)

Torque for Power Connections: 20 lb-in (2.26 N-m)

Style “B” Specifications

UL Recognized, CE, RoHS

12” (305mm) wire power leads

Maximum inlet temperatures 200°F (93°C)

Not recommended for leak-proof systems due to slight leakage through wire and jacket

Compatible Controllers

TUTCO SureHeat offers a closed-loop controller for each of its threaded inline models. To find a compatible controller for your model, [click here](#).

Thermocouples

Part Number	Description
F077056	TC Adapter 3/8” Threaded In-line
F077057	TC Adapter 1/2” Threaded In-line
F077058	TC Adapter 1-1/4” Threaded In-line
F077059	TC Adapter 2-1/2” Threaded In-line
F206119	1/8” TC Type K 12” Probe



SOUTHEAST THERMAL SYSTEMS

WWW.SETHERMAL.COM

SALES@SEETHERMAL.COM

phone: 704-399-4248