



Finned Tubular Process Air Heaters

- Elements are stainless steel. Corrugated fins, 1-1/8" O.D. are the same material.
- Heavy steel or stainless steel flange with pre-drilled mounting holes furnished for 400° F outlet air and higher.
- Multiple concentric knockouts on all sides of the terminal box for convenient conduit entry.
- Stainless steel terminal hardware and Serew threaded studs assure reliable connections.
- Removable bus bars are secured with stainless steel nuts and shakeproof washers. Terminal box may be side or top mounted.
- Louvered terminal box cover keeps connections and wiring at safe temperatures.
- Individually replaceable elements mounted to the terminal flange with push nuts.
- Optional 4" insulation below mounting flange cuts energy losses through oven walls, keeps electrical connections cool. 1" of insulation in terminal box is standard for 400° and 600° F outlet air.
- Open framework allows universal mounting. Use with horizontal or vertical airflow.



Typical Applications

HSCO Process Air Heaters are installed in plenums, ducts or pipes to heat forced air in industrial equipment and systems. A wide variety of heater designs and sizes are available to provide outlet air temperatures up to 850° F. The air can be either recirculated or fresh. Recirculated air is used to reduce power consumption and heater size. Fresh air is used when ventilation of the process is necessary.

Process air heaters are installed in ovens, furnaces, autoclaves, dryers, conveyor systems.



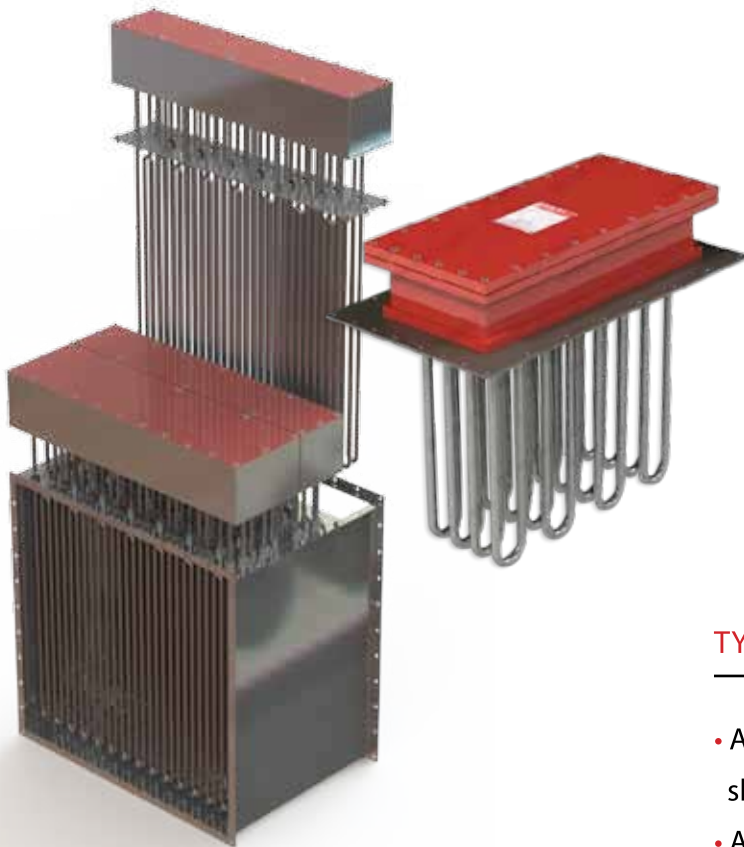
Finned Tubular Process Air Heaters

- Aircraft Manufacturing
- Air Curtains
- Air Drying
- Annealing
- Booster Heating
- BakingRR
- Batch Heating
- Chemical Processing
- Cooking
- Core Drying
- Cryogenic Exhaust Gas Heating
- Curing
- Dehumidification
- Dehydrating
- Drying
- Exhaust Gas Heating
- Film Drying
- Finishing Systems
- Food Processing
- Fruit Ripening
- Heat Recovery Supplement
- Heat Treating
- Hopper Heating
- Ink Drying
- Laboratory Testing
- Make-up Air Heating
- Metal Finishing
- Motor Winding Burnoff
- Paint Baking/Drying
- Pharmaceutical Manufacturing
- Plastic Curing
- Preheating
- Reheating
- Sterilizing



Electric Duct Heaters

Duct heaters are designed for flange mounting, in connection with air conditioning / heating and ventilation systems, usually used in industrial environments. Special designs, for example, Process systems, Furnaces, Autoclaves, Reheating, Paint drying, Ships on request. HSCO duct heaters have been designed for



TYPICAL APPLICATIONS:

- Air heating in ventilation systems for living zones of ships and offshore platforms,
- Air heating in process equipments and drying plants.

FEATURES:

- Case: stainless steel, galvanized steel or painted steel;
- Elements: Tubular finned element, with mild or stainless steel sheath;
- Sensors: Thermostat, thermocouple or RTD temperature sensors;
- Controls: Stand-alone control panels are available.

