

Process Technologies

Process Air Heating

In addition to our pressurized air or gas circulation heaters, described on previous pages, Chromalox designs and manufactures equipment to be installed on ducts and to heat air before its introduction into processes. Standard design duct heaters can be supplied for baking ovens up to 200°C as well as drying ovens.

Chromalox can design and supply heaters and controls for special applications and customer requirements.

Special criteria may include any of the following: High temperatures (up to 700°C), corrosive fluids, Slight overpressure and slight vacuum, vibration or seismic resistant, special voltage, high output capacity. etc.

Our Capabilities

Heating Elements

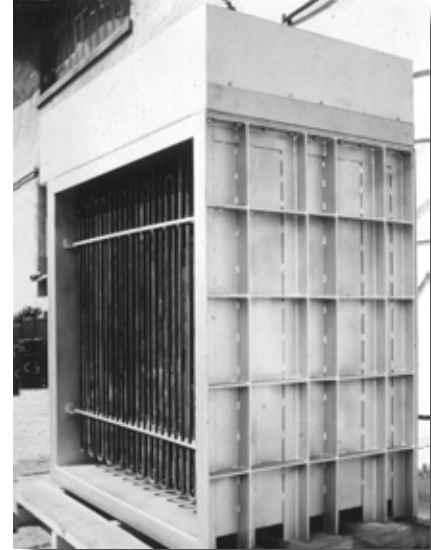
- With or without fins for heat dissipation
- Materials:
 - Stainless Steel 304L /316L /321
 - INCOLOY 800/825
 - INCONEL 600
 - Uranus 86
 - Other metals according to the characteristics of the surroundings (temperature, corrosion risks)

Casing:

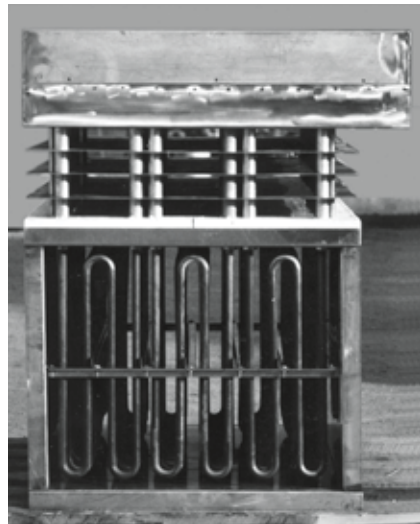
- With or without thermal insulation
- Reinforcement for pressure, seismic, shocks and vibration loadings
- Connect/on Box:
 - Stood off for high temperature, with or without cooling fins
 - Waterproof up to IP55
 - For hazardous areas
- Materials:
 - Galvanized steel
 - Painted steel
 - Stainless Steel 304 /304L /316L
 - Other metals according to the characteristics of the surroundings (temperature, corrosion risks)



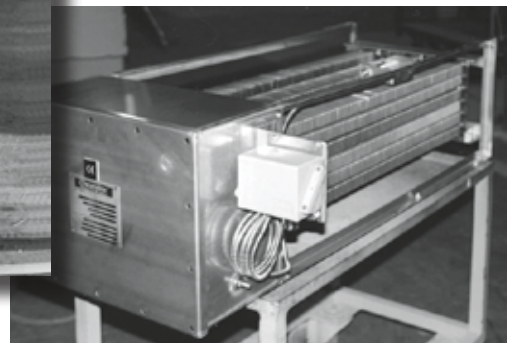
Duct Heater 4000 kW for Dehydration in the Agricultural Industry



Reinforced Duct Heater for Pressurized Flow



Duct Heater with Dissipation Plates for Outlet Temperature 650°C



Air heater for Nuclear, Bacteriological and Chemical Shelter