

*forced air heating solutions*

## Duct Heaters

Rugged Durex duct heaters are well suited for the needs of many heavy duty industrial applications. We only use tubular heater elements for long life and durability. We construct high tensile strength cages to support heater elements in larger, higher temperature units to ensure proper performance. The optimal sheath material and maximum allowable watt densities are used to minimize size, weight and footprint. Replaceable element designs as well as modular "bank" type designs are available.

- Operating temperatures to 1400°F (760°C)
- Watt densities to 40W/in<sup>2</sup>
- 304SS & Incoloy® sheaths
- UL® component recognized
- Process and high limit sensors
- NEMA 1, 4 enclosures



### **Duct Heater Application Tips**

The most common problems Durex encounters in the field are a lack of proper system control and poorly designed heater elements. Durex always recommends fast firing SCR power controllers to reduce heater thermal cycling. Durex also uses heavy gauge resistance wire and conservative heater watt densities in its heaters to vastly extend life and improve performance.

### **Common Applications**

- Convection Furnaces
- Core & Refractories Drying
- Convection Drying Systems
- Inlet Air & Flue Gas Heating
- Dehumidification
- Load Banks

