

# BROWN FIRED HEATER DIVISION TYPE 102 AIR HEATERS

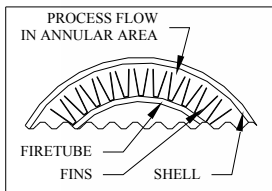
The Type 102 Indirect Air Heater heats air or other process gases firing natural or propane fuel gas. Combustion byproducts do not intermix with the air/gases.

Heaters utilize no heat absorbing, high maintenance refractory materials. Heat is supplied by a special long flame burner to the air through longitudinal fins continuously resistance welded to the firetube. (see cross section below)

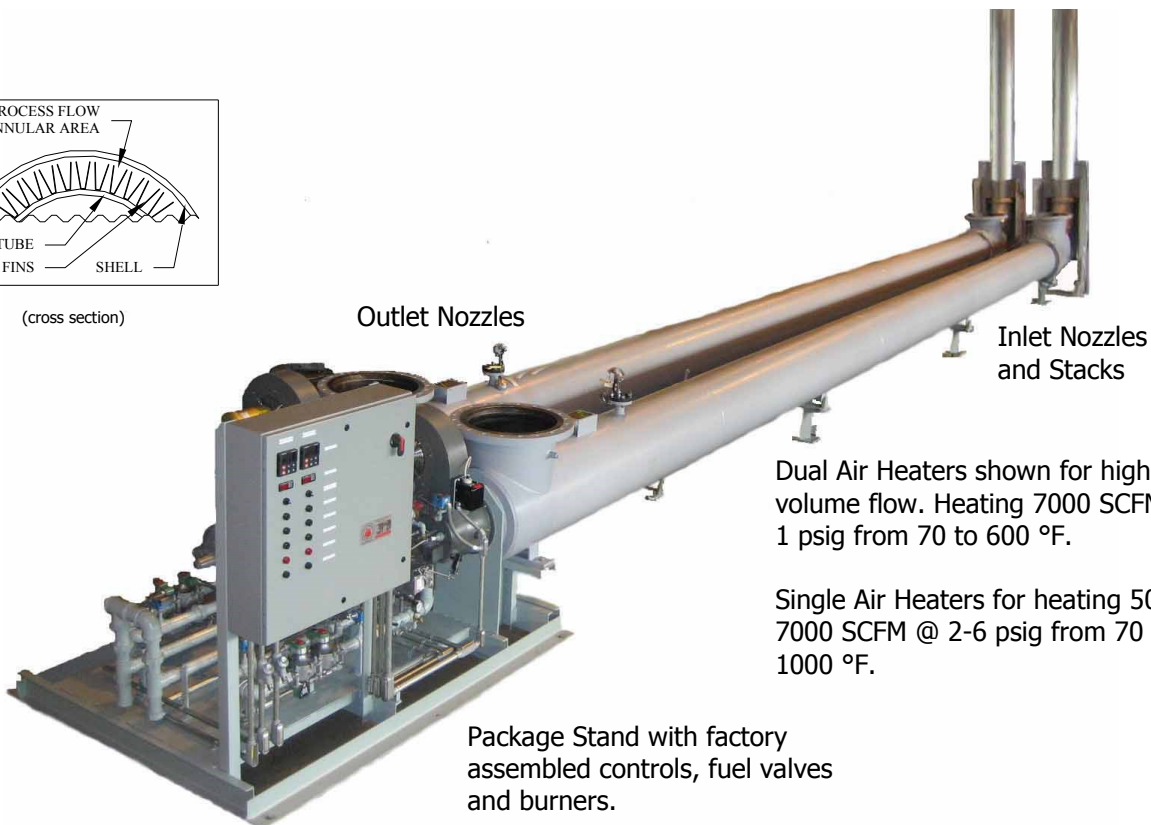
- Temperatures to 1000 °F
- Pressures to 300 psig
- Low pressure drop
- Horizontal and vertical arrangements
- Horizontal arrangement may be floor, column or roof mounted
- Heavy duty industrial construction
- ASME BPV Code Construction available for pressures above 15 psig

## APPLICATIONS:

- Absorption bed/catalyst regeneration
- Bulk product drying
- Drying/curing coatings
- Airplane part testing
- Nitrogen, hydrogen, hydrocarbon heating
- Iron ore cupola air heating
- Combustion air heating
- Strip blowoff air heating



(cross section)



Dual Air Heaters shown for high volume flow. Heating 7000 SCFM @ 1 psig from 70 to 600 °F.

Single Air Heaters for heating 500 to 7000 SCFM @ 2-6 psig from 70 to 1000 °F.

Package Stand with factory assembled controls, fuel valves and burners.

Serving industrial customers for over 50 years.



## BROWN FIRED HEATER DIVISION ES THERMAL, INC.

300 HURON STREET, ELYRIA, OH 44035 USA  
PH: 440-323-3291 FX: 440-323-5734

www.es-thermal.com  
email: info@es-thermal.com