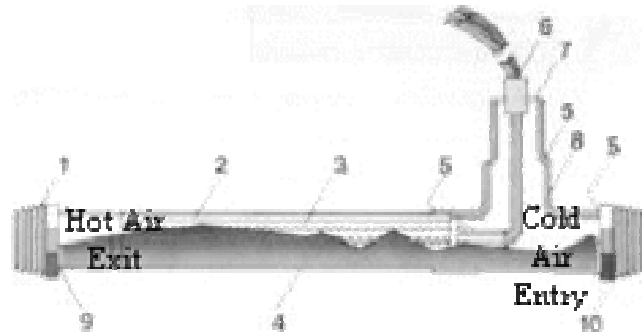


Air Heaters Miniature



Tolerances

Wattage tolerances are held to +5, -10% or better at the voltage specified.

Air Process Heaters: Tee Type - 3/8" to 1 1/4" diameter

Air Heater Selection

- Determine the volume of air or gas (SCFM) you will be heating.
- Determine temperature rise in degrees Fahrenheit (DeltaT in F)
- Calculate wattage required as follows:

$$\text{Watts} = \frac{\text{SCFM} \times \text{DeltaT in F}}{3}$$

- Take into consideration the physical size requirements of your application and determine from the specifications chart for each size, the air heater best suited for your application. High watt densities shown in the specifications charts are subject to factory approval due to resistance wire limitations.
- For temperature control Thermocouple available PC type

Features

- Exit air temperatures to 1000°F (540°C). Designed for horizontal use.
- Standard pressure rating is 80 psig at room temperature.
- May be used with recirculating air up to 250°F. For use with clean, dry air.

Construction

- | | |
|-------------------------------------|--|
| 1 Optional stainless steel bushing. | 2 Ceramic coil support. |
| 3 Resistance element. | 4 Stainless steel sheath. 5 Silver solder. |
| 6 Fiberglass insulated leads. | 7 Epoxy seal. 8 Copper tee. |
| 9 Heliarc weld. | 10 Optional brass bushing. |