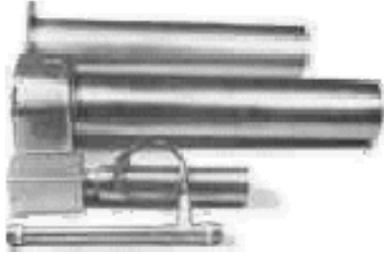


ЕЛЕКТРОЛУКС Electrolux

Air Process Heaters



Applications

Baking, Drying, Laminating, Metal Working, Packaging, Plastic Welding, Preheating, Sealing, Soldering, Shrink Fitting, Synthetic Fabric Sewing.

Features

- 1 The Air Process heater will provide hot air and gas up to 1000°F (540°C) with infinite control by varying the voltage and air velocity supplied. Units are fitted with a tubing "T" for convenient power lead outlet, while larger diameters can be supplied with post terminals on the sheath for direct electrical connections.
- 1 For easier installation, **Electrolux Macedonia** can supply male or female NPT threaded fittings, hose adaptors, flanges, or custom fittings to your specifications.

Multiple Heat

Whenever it is necessary to have a single unit incorporate two or more different wattages, **Electrolux Macedonia** will provide air heaters from 5/8" diameter and up with multiple circuits. Some uses of these units include: quick heat-up, standby circuits for maintenance of low temperatures, providing different wattages when there is a wide variation in thermal loads, and replacing more expensive variable powerstats for wattage control.

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

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

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

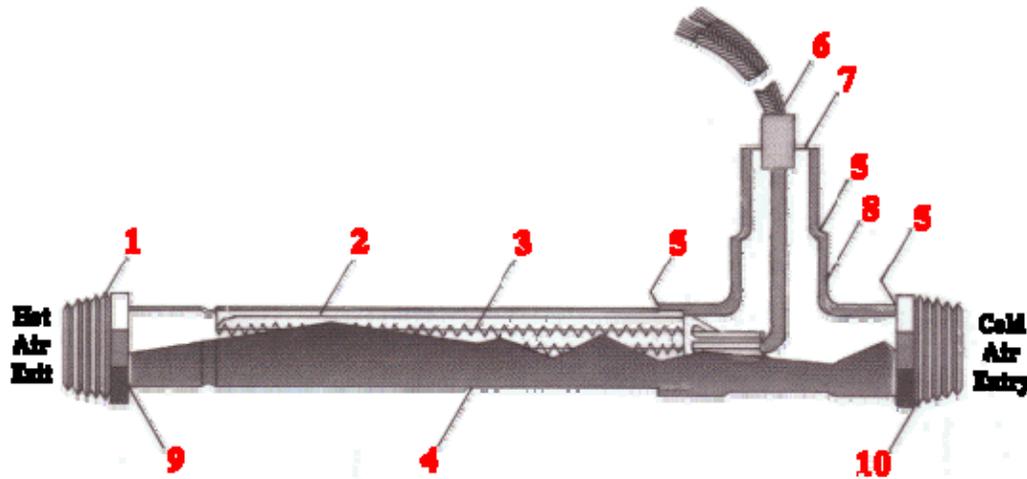
- 1 Take into consideration the physical size requirements of your application and determine from the specifications chart for each size, the air heater best suited for your application. High watt densities shown in the specifications charts are subject to factory approval due to resistance wire limitations.
- 1 For temperature control see section [Temperature Sensing Control](#)

Features

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

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.