

## Air Heaters



Marathon air heaters feature an open coil of high temperature resistance wire electrically isolated in a stainless steel sheath. Because the air being heated passes directly over the resistance wire, maximum heat transfer efficiency is achieved. Marathon brand air heaters are used for heat staking, plastic welding, laminating, drying, heat sealing, and any other operation where air needs to be heated up to 1000° F.

1/2" and 3/4" diameters are standard with other sizes available. Several 1/2" diameter air heaters are in stock for same day delivery. Options such as male and female fittings for inlets and outlets, thermocouples to monitor outlet temperature, and pin connectors are available.

To calculate wattage required, use the following formula

$$\text{Watts} = \frac{\text{SCFM} \times \text{Temperature Rise}}{3}$$

### Specifications

	1/2" OD heater	3/4"OD heater
Lead wire size	22 ga.	18 ga.
Maximum Amperage	10 amps	15 amps
Female NPT size	1/8"	3/8"
Male NPT size	3/8"	3/4"
Maximum CFM	10 SCFM	22 CFM

Because the heating coil is directly in the air stream, use clean air only.