



Datasheet

Air Process Heaters

RS Stock Nos. 200-2480, 200-2496, 200-2519,
200-2525, 200-2531, 200-2547

A range of 240V ~ air process heaters ideal for applications such as drying, laminating, metal working, packaging, plastic welding, preheating, sealing, shrink fitting and synthetic fabric sewing. The air process heaters 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. Two connection variants are available flush fitting for connection of suitable hoses and tubing or NPT threaded variants for screw connection.

Air heater selection

Determine the volume of air or gas SCFM (Standard Cubic Feet Per Minute) you will be heating.

Determine temperature rise in degrees Fahrenheit (T°F).

Calculate wattage required as follows:

$$\text{Watts} = \frac{\text{SCFM} \times \text{T}^\circ\text{F}}{3}$$

WARNING: This component part shall only be used where adequate electrical, thermal and mechanical barriers are provided to prevent access to hazardous parts without the use of a tool. For best results position in the horizontal plane.

Technical specification

Supply voltage _____ 240V ~
 Sheath material _____ Stainless steel
 Sheath end (hot) _____ Stainless steel
 T piece _____ Copper
 Sheath end (cold) _____ NPT brass
 Coil support _____ Ceramic
 Connection lead length _____ 12in.

RS stock no.	Dia.	NPT male fitting	A	B	C	D
200-2480	3/8in.	N/A	3 1/2in.	4in.	1 5/16in.	1 5/16in.
200-2496	3/8in.	1/4in.	3 1/2in.	4in.	1 5/16in.	1 5/16in.
200-2519	1/2in.	N/A	4 1/2in.	5in.	1 3/8in.	3/4in.
200-2525	1/2in.	3/8in.	4 1/2in.	5in.	1 3/8in.	3/4in.
200-2531	3/4in.	N/A	5 1/2in.	6in.	2 7/16in.	1 5/8in.
200-2547	3/4in.	3/4in.	5 1/2in.	6in.	2 7/16in.	1 5/8in.

