

PanelMax™ Infrared Radiant Heater Panels

Heat & Sensor Technology



PanelMax™ heaters are an excellent surface heating solution for use in a wide range of processes that require non-contact infrared heating such as screen printing, thermoforming, coating and epoxy curing processes, food warming, circuit board soldering, heat shrinking and heat treating.

PanelMax™ Features and Benefits

- High Emissivity Coated Emitters
- Engineered face Geometry and Sensing Options
- Rugged Stain-less Steel Constructions
- Cleanable Contamination & Breakage Free
- Modular Designs
- Well Insulated
- UL Recognition Options
- Uniform Infrared Heating Across Face
- Accurate Quick Response Time
- Low Maintenance & Long Life
- Lowered Downtime
- Quick Easy Installation
- Less Downtime
- Energy Efficient

GIVE US A CALL ON YOUR NEXT INFRARED HEATING PROJECT!

PANELMAX® 1010 Radiant Panel Heaters

1010 Panel Heaters Applications and Technical Data Sizes and Ratings

- Face Temperature: 1000°F (540°C) max.
- Wattage: Watt densities up to 10 W/in² (1.5 W/cm²)
- Voltage: Up to 480V 50 Amps max.
- Terminals Non Standard locations available
- Tolerance +/- 1/16 in.
- Typical peak Wave length 3-3.5 Microns

Note: Small heaters may not be able to be built at high voltages. Contact your SWHC representative to discuss specific application requirements.

Features and Benefits

- Full Surface Heat - Uniform even heat across work piece
- No Reflectors to Clean and Replace
- Accurate Repeatable Temperature Sensing
- Ready to Use Package Equals Easy Installation
- One Inch Thick backside Insulation - Reduced Heat Losses
- Sealed Version Available for Wash Down Applications
- UL Component Recognized Versions Available

Options

- Terminal Box
- Thermowell
- Thermocouple pocket
- Mounting studs

Typical Applications

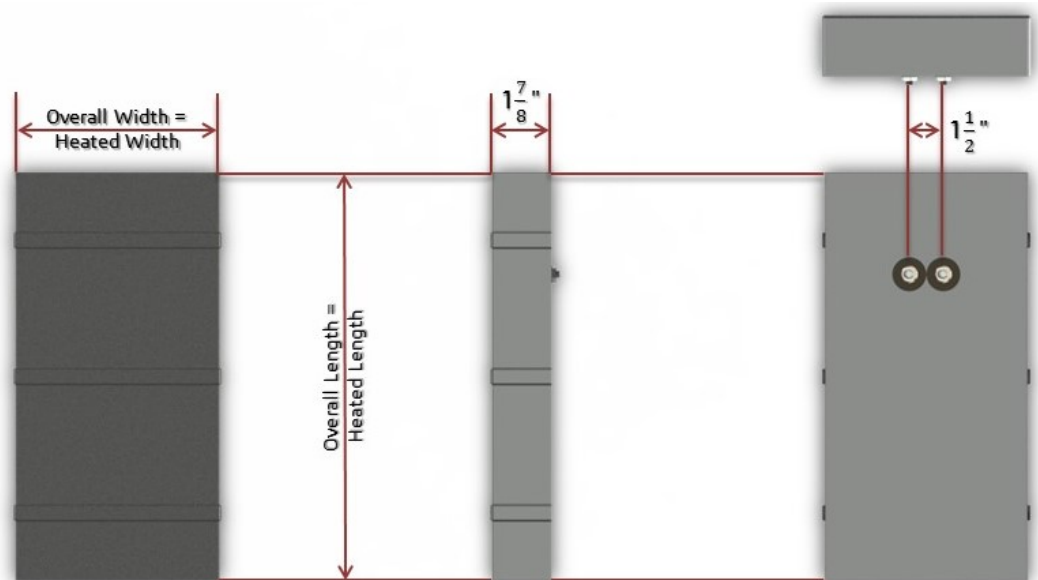
- Thermoforming
- Drying Screen Printed Textiles
- Paint and epoxy curing
- Powder Coating fusing
- Shrink Wrapping
- Circuit Board Soldering
- Food Warming and Cooking

- Notes:
- Panels are equipped with a terminal box, a thermocouple well with bayonet adapter and mounting studs.
 - Radiant panels must be properly applied for safe operation.
 - Please contact your SWHC representative with the application before ordering.



Specifications

Heater Dimensions	Min.	Max.	Increments
Width: in. (mm)	4 (102)	20 (508)	2 (50.8)
Length: in. (mm)	10 (254)	68 (1727.2)	Any



PANELMAX® 1120 Radiant Panel Heaters

1120 Panel Heaters Applications and Technical Data

Sizes and Ratings

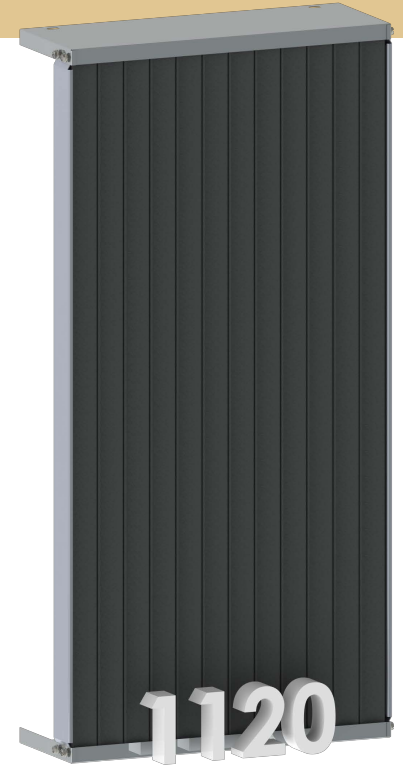
- Face Temperature: 1100°F (595°C) max.
- Wattage: Watt densities up to 20 W/in² (3 W/cm²)
- Voltage: Customer specified up to 480V.
Balanced 3-phase available on unit widths divisible by three Terminals
- Terminals Non Standard locations available
- Tolerance +/- 1/16 in.
- Typical peak Wave length 3-3.5 Microns

Note: Small heaters may not be able to be built at high voltages. Contact your SWHC representative to discuss specific application requirements.

Features and Benefits

- Replaceable Emitters- Reduced Cost
- High Temperature Mica- Long Heater Life
- Thick Thermal Insulation on Backside- Reduces heat loss
- Full Surface Heat - Uniform even heat across work piece
- Custom Design to fit Application Needs-
- High Emissivity Coating on Emitter Strip
- Metal Construction- Greater Durability
- Stock Sizes Available

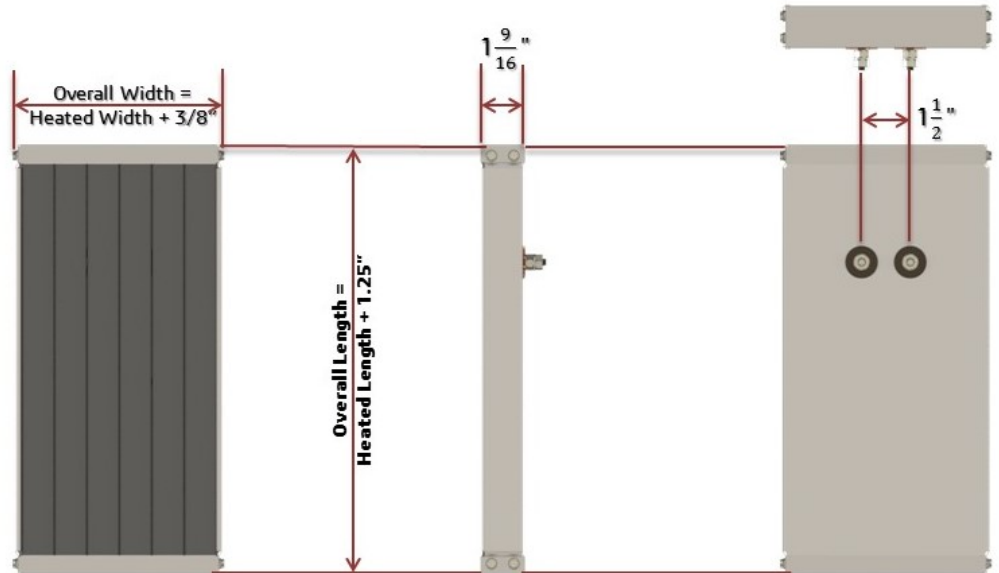
Specifications



Heater Dimensions	Min.	Max.	Increments
Width: in. (mm)	1 (25)	24 (610)	1 (25.0)
Length: in. (mm)	6 (152)	72 (1829)	0.06 (1.5)
Area: in ² (cm ²)	6 (39)	864 (5574)	Any

Options

- Terminal Box
- Thermowell
- Thermocouple welded to hot face
- Thermocouple pocket
- Mounting studs



Typical Applications

- Thermoforming
- Drying Screen Printed Textiles
- Paint and epoxy curing
- Powder Coating fusing
- Shrink Wrapping
- Circuit Board Soldering
- Food Warming and Cooking

- Notes:
- Panels are equipped with a terminal box, a thermocouple well with bayonet adapter and mounting studs.
 - Radiant panels must be properly applied for safe operation.
 - Please contact your SWHC representative with the application before ordering.

PANELMAX® 1330 Radiant Panel Heaters

1330 Panel Heaters Applications and Technical Data Sizes and Ratings

- Face Temperature: 1300°F (700°C) max.
- Wattage: Watt densities up to 30 W/in² (4.7 W/cm²)
- Voltage: Customer specified up to 480V.
Balanced 3-phase available on unit widths divisible by three Terminals
- Terminals Non Standard locations available
- Tolerance +/- 1/16 in.
- Typical peak Wave length 3-3.6 Microns

Note: Small heaters may not be able to be built at high voltages. Contact your SWHC representative to discuss specific application requirements.

Features and Benefits

- Replaceable Emitters- Reduced Cost
- Accurate and Responsive
- Thick Thermal Insulation on Backside- Reduces heat loss
- No Fragile Glass or Reflectors to Replace
- Stainless Steel Construction- Greater Durability
- High Emissivity Black Coated Radiant Surface
- Higher Watt Density

Options

- Terminal Box
- Thermo-well
- Wiring Raceway
- Thermocouple pocket
- Mounting studs

Typical Applications

- Thermoforming
- Drying Screen Printed Textiles
- Paint and epoxy curing
- Powder Coating fusing
- Shrink Wrapping
- Circuit Board Soldering
- Food Warming and Cooking

- Notes:
- Panels are equipped with a terminal box, a thermocouple well with bayonet adapter and mounting studs.
 - Radiant panels must be properly applied for safe operation.
 - Please contact your SWHC representative with the application before ordering.



Specifications

Heater Dimensions	Min.	Max.	Increments
Width: in. (mm)	3.187 (81)	19.125(485.8)	3.187 (81)
Length: in. (mm)	12 (305)	30.5 (775)	Any

