

# Plastic Forming Strip Heater Operating Manual

Model 03-160

Model 13-160

Model 23-160

Model Series 160



**CAUTION**  
HOT SURFACES  
AND EXPOSED ELEMENT

## Specifications

### Model 03-160

#### 12" Strip Heater

**\*Max. Operating Temperature**  
325°F / 410°F

#### Overall Dimensions:

15.125" X 5.5" X 7.25" in.  
38.45 X 14 X 18.4 cm.

#### Working Area:

12" Inches

#### Product Weight:

6 Lbs.

#### Standard Electrical

115 Volts / 125 Watts / 1.08 Amps

#### Plug / Cord

SJOW 18/3

#### Exterior Construction

Powder-coated Steel

#### Power Control

On/Off Toggle & Power Light

### Model 13-160

#### 21" Strip Heater

**\*Max. Operating Temperature**  
340°F / 435°F

#### Overall Dimensions:

25" X 5.5" X 7.25" in.  
63.5 X 14 X 18.4 cm.

#### Working Area:

21" Inches

#### Product Weight:

8 Lbs.

#### Standard Electrical

115 Volts / 200 Watts / 1.74 Amps

#### Plug / Cord

SJOW 18/3

#### Exterior Construction

Powder-coated Steel

#### Power Control

On/Off Toggle & Power Light

### Model 23-160

#### 33" Strip Heater

**\*Max. Operating Temperature**  
325°F / 410°F

#### Overall Dimensions:

36" X 5.5" X 7.25" in.  
91.4 X 14 X 18.4 cm.

#### Working Area:

33" Inches

#### Product Weight:

10.5 Lbs.

#### Standard Electrical

115 Volts / 350 Watts / 3.04 Amps

#### Plug / Cord

SJOW 18/3

#### Exterior Construction

Powder-coated Steel

#### Power Control

On/Off Toggle & Power Light

\* Maximum working temperature range measured with workpiece in place (Varies with piece size).

## Receiving

After unpacking, confirm that you have received the correct quantities of all components and inspect each one for any shipping damage. If you find any issues, please call us at 1(800) 482-4328.

## Important Safety Instructions

- Read the operating instructions thoroughly before using the unit to ensure proper and safe operation.
- Use only a grounded outlet that meets the electrical requirements of your model.
- Perform periodic maintenance as outlined in the maintenance section of this manual.
- Operate the unit well away from flammable solvents, gases, and materials to avoid fire or explosion hazards.
- Place the unit on a non-combustible surface during operation.

## Setup and Initial Operation

- Place the unit face down on a stable work surface.
- Separate the legs of the "no-skid" foot cover strips and place them over the exposed bottom edge of each end cap. (Refer to Fig. 1)
- Return the unit to an upright position, ensuring the exposed element is facing upward.
- Plug the unit into a grounded outlet.
- Turn the unit on and allow it to reach the operating temperature, which typically takes 10-12 minutes.

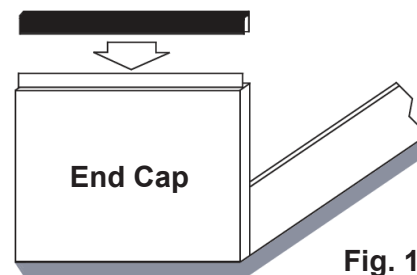


Fig. 1

## General Operation

Place the plastic workpiece to be formed on the work surface, ensuring the area to be formed is positioned directly over the heating element. Turn the piece over at regular intervals to ensure even heating throughout its thickness. This prevents overheating, which could cause the plastic to bubble or scorch.

Product guiderails on each side of the unit help maintain the workpiece in a perpendicular position to the heating element for accurate and consistent heat-through (Fig. 2).

Different types and thicknesses of plastic will require varying heat-through times. Performing trial and error tests on scrap pieces is recommended to determine the optimal heating time and achieve the best results for the actual parts.

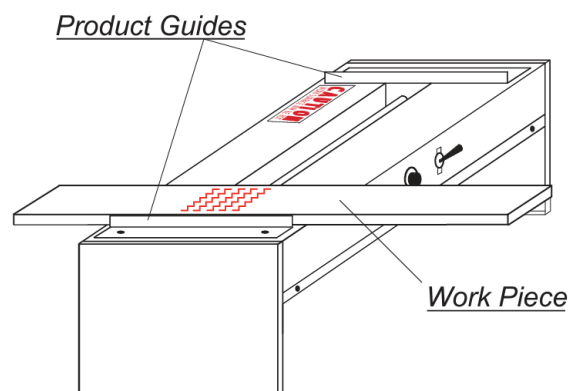



Fig. 2

## Maintenance

Clean exterior surfaces with a damp cloth or an all-purpose cleaner. Only the area around the heating element well should be cleaned. Do not allow cleaning solutions to come into contact with the heating element surface. The heating element area must be kept free from debris at all times to eliminate the risk of fire.

 The unit must be turned off and allowed to stand until the heating element cools to room temperature before cleaning. Failure to do so may result in burns or damage to the unit.

## Technical Support

**Phone number:** 1(800) 482-4328, Option 2.

**Email:** [information@quincylab.com](mailto:information@quincylab.com)

### Replacement Components

Component	Model	Part Number	Component	Model	Part Number
Replacement Element	03-160	1212-03	Indicator Light	Universal	101-2201
Replacement Element	13-160	1212-13	Toggle Switch	Universal	301-2251
Replacement Element	23-160	1212-23	6' Cord and Plug	Universal	101-1803

## Limited Warranty



Quincy Lab, Inc. warrants to the original purchaser that this product will be free from defects in material and workmanship under normal use throughout the warranty period. The standard warranty period for this instrument is twenty four (24) months from date of shipment. The instrument warranty is supplemented with a three year warranty on the heating element. Please refer to your invoice or shipping documents to determine the active warranty period. This warranty covers parts & labor (labor at factory only) and shipping cost for replacement parts.