



ENGINEERED SOLUTIONS
FOR HEATING & SENSING

ISO 9001-2015



ALUMINIUM FOIL HEATER



MARATHON HEATER (I) PVT. LTD.

188A, B-169 (Part), B-188 & B-189 (A), Road No.-5, M.I.A., Madri, Udaipur, (Rajasthan.) INDIA 313 003

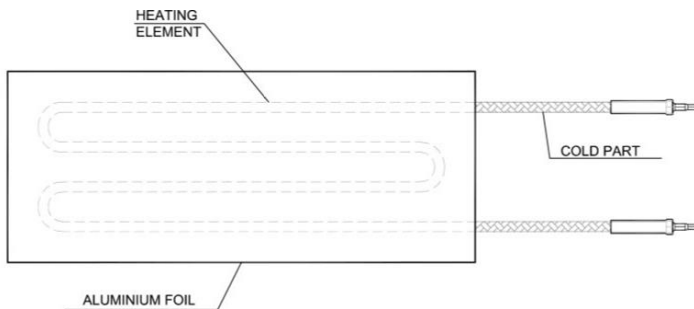
Ph.: +91 294 3507749, Fax: +91 294 3507731, Cell No. : +91 9351159988

E-mail : info@marathonheat.com, akhil@marathonheat.com

www.marathonheat.com

Aluminum Foil Heater

Construction



- **Conductor Alloy-** Nichrome 80/ Alloy 875/ Alloy 815/ Nickel 200/ Alloy 30/ Alloy 15/ Alloy 10/ Alloy 5/ Alloy 27 / Alloy 50/Copper/ Stainless Steel/ Customize
- **Insulation -** PTFE/Silicon/Customize
- **Max. continuous Temperature-** 105°C/125°C/150°C/200°C/
- Earthing through aluminum sheets.

Introduction

Electric resistance heaters with foil backing is being produce to fulfill specific specifications for size, shape, layout, cut-outs, lead wire, and lead termination. The heaters can be provided with dual wattages, dual voltages, built-in temperature control, and sensors. The aluminum foil heaters can be mechanically affixed with rivets, sheet metal screws, or other mechanical devices, or they can be mounted to a surface using an integrated adhesive. For more demanding applications, a semi-rigid aluminum backing plate delivers structural support.

The Aluminum foil heater has the moisture resistance heater, it is very low cost heater compare to other than.

It can be easily install with adhesive blocking system, there has using of highly flexibility /high Thermal conductivity of aluminum foil, it makes possible to regulate the temperature quickly.

There has used high grade of aluminum foil that will be sustain the 650°C of temperature, The temperature of cable 150°C will be continuous operate. There has to used cold Lead of 3.5 (Customized) meter for the power supply with XLPE/Silicon Insulated and PVC Sheathed.

Temperature can be controlled using of thermal regulators (thermostat)

Application

- Maintaining the ideal temperature for food on serving utensils such buffet tables, warming boxes and cabinets, salad bars, chafers, and other similar items
- To heat equipment such as cylinders, test tube heaters, magnetic stirrers, chambers, containers, pipelines, beakers, and more.
- In order to supply heat for equipment such as incubators, blood warmers, in vitro fertilization heaters, operating tables, befouled warmers, anesthetic heaters, and more
- To provide radiant heat
- To prevent condensation on mirrors and battery warming
- Defense against freezing or maintaining temperature in vertical or horizontal tanks
- Protection from freezing for plate heat exchangers.
- Electronic or electric control box anti-condensation
- Refrigerated display cabinets, household items, and medical equipment anti-condensation.

Construction Data

Resistance Wire Alloy	Alloy- Nichrome 80/ Alloy 875/ Alloy 815/ Nickel 200/ Alloy 30/ Alloy 15/ Alloy 10/ Alloy 5/ Alloy 27 / Alloy 50/Copper/ Stainless Steel/ Customize.
Power Range	50 – 3600 watt
Voltage range	12,24,110,220 Volt
Heating Material	Aluminum Foil sandwiched between two thin sheets of aluminum
Max. Continuous Temperature	200°C
Insulation Type	XLPE/Silicon/FEP/ETFE/ECTFE/FPA/PTFE/Customized.
Cold Lead	XLPE/Silicon Insulated 105°C
Cold Lead Connection Type	Crimp with Connector

Technical Specification

Product Name	Aluminum Foil Heater
Function	Anti-condensation, Freeze Protection, Mirror condensation prevention and medical equipment anti-condensation
Features/Benefits	Earthing of the aluminum sheets.
	Voltage – any voltage on request
	Resistance to moisture
	Easy to Install (when ordered with the adhesive backing)
	Low mass means fast heat-up time
	High flexibility
	Material -Full body aluminum foil.
Material	FEP/PFA/ETFE/PTFE/XLPE/Silicon//Customize Insulated Wire
Resistance Range at 20°C	3500ohm/m -0.169 Ohm/m
Applied Voltage	12, 24,110, 230V customize single Phase
Watt Density	Up to 40 watt/m
Temperature Range	Up to 200°C
Standard width	50, 100, 150, 200 and 400 mm