



FINNED CHANNEL STRIP HEATERS



GENERAL INFORMATION

Design and Construction: At the heart of the Finned Strip Heater is a helically wound resistance coil, strategically placed within a specialized ceramic insulator. This design ensures maximum thermal efficiency and durability. The resistance coil connects securely to a screw terminal, providing a stable electrical connection for uninterrupted heating.

Housing and Insulation: The heater assembly is encased in robust stainless steel rectangular tubing, which not only protects the internal components but also enhances the heater's overall lifespan. To further improve thermal conductivity and dielectric strength, all voids are filled with high-purity magnesium oxide. This careful construction allows for optimal heat transfer and minimizes energy loss.

Heat Dissipation: Integral to the design are nickel-plated steel fins (with stainless steel options available), which are meticulously engineered to maximize surface area contact. This ensures excellent heat dissipation into the surrounding air, resulting in rapid heating performance. The finned cross sections enhance the heater's ability to transfer heat quickly and efficiently, making it an ideal solution for various applications.

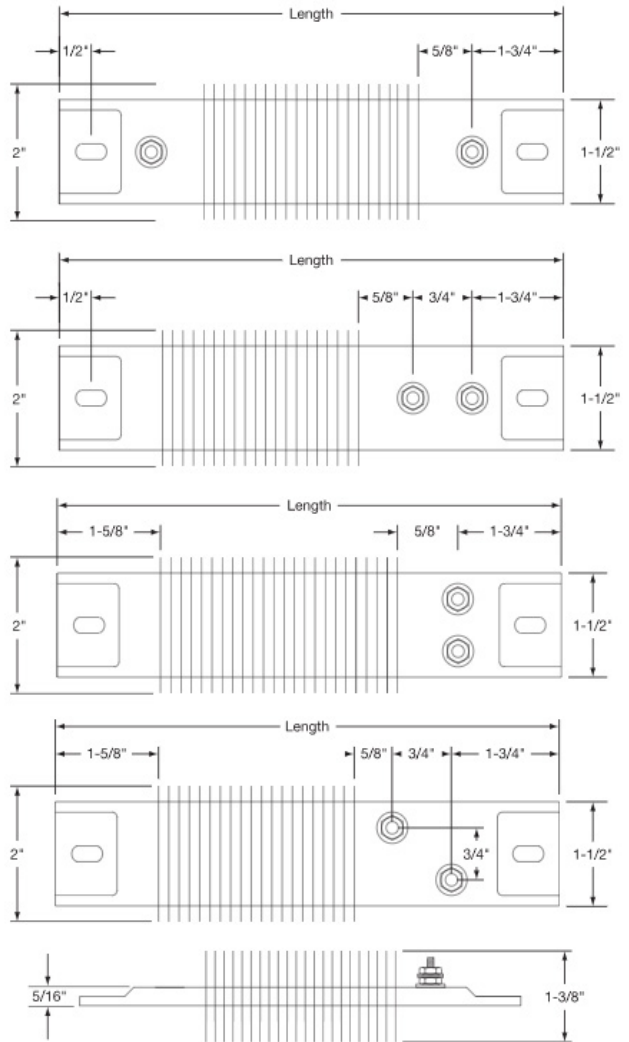
Customization Options: Our Finned Strip Heaters come in a comprehensive range of standard sizes, electrical ratings, and terminations. For unique applications or specific requirements, we also offer custom solutions tailored to your exact specifications. This flexibility ensures that you get the right heating solution for your needs.

Safety Features: Our control panels have built-in safety mechanisms, including overheat protection and thermal cutoffs, our heaters prioritize safety for your peace of mind.

STANDARD FEATURES

Maximum Sheath Temp	1200°F (650°C)
Watt Density	10-40 W/in ²
Voltage	120, 240, 480 VAC
Maximum Amperage	25 amps
Resistance Tolerance	+10%, -5%
Wattage Tolerance	+5%, -10%
Sheath	304 Stainless Steel
Fins	Nickel Plated Steel (Stainless Steel Optional)
Screw Terminals	Stainless Steel 10-32 UNF Threads
Width Including Fins	2"
Height Including Fins	1-3/8"
Length Tolerance	Up to 24" ± 1/16", over 24" ± 1/8"
Mounting Slot Size	Standard 5/16" x 1/2"
Slot Size For Secondary Insulating Bushing	1/2" x 5/8" for 300 Volts and above

DIMENSIONS



TERMINATION OPTIONS

Post Terminal T1	Post Terminal T2	Post Terminal T3	Post Terminal T4
S/S Braid Top Exit	S/S Armor Top Exit	Fiberglass Leads Top Exit	