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CSH-INS12

Channel Strip Heaters and Finned Channel Strip Heaters

All Bucan **channel strip heaters and finned channel strip heaters** incorporate a conservative design approach, use premium quality raw materials and are made by a highly skilled staff. You can expect top performance and by following these instructions you will benefit from many years of trouble free service.

Installation:

1. Only qualified personnel are to install **industrial electric heating equipment** and must meet all national and local codes.
2. Ensure the power connections match the **voltage, phase and wattage** data on the nameplate.
3. It is critical to have a good surface-to-surface contact between **channel strip heaters** and mounting surfaces. These surfaces should be clean, flat and smooth.
4. **Channel strip heaters** expand when energized and thus tend to get detached from the surfaces they are mounted on. To prevent this, it is essential to allow room for expansion by tightening firmly the mounting screw on one end (usually the terminal side) and leaving the other side slightly loose. When relatively long **strip heaters** are used, it is good practice to use clamps to hold **strip heaters** firmly attached to application surfaces.
5. While tightening post terminals, a backup wrench should be used to hold the counter-nut to ensure tightness and prevent terminals from damage.
6. When a **finned channel strip heater** is placed in an air stream, the air flow should be perpendicular to the length of the heater and parallel to its width (1.5" side).
7. **Channel strip heaters** (with or without fins) that operate at a potential difference of more than 300V between their line voltage and the ground, should be isolated from the surface of an application by secondary isolating ceramic bushings. Bucan offers insulators that are adequate for Ø 1/4" screws. To be able to use these ceramic insulators, **strip heaters** should have 1/2" x 5/8" mounting slots (factory pre-punched upon request).