

# Acme 2000 Series Defrost Heaters

## For Commercial Refrigeration Coils and Condensate Pans

To replace a coil defrost heater measure the old heater length. Bend the Acme heater to match the configuration of the old heater and install.

Do the same for condensate pans. The encapsulated ends on the heaters are water resistant, but should not be submerged in water. Bend the ends up to keep them from being submerged.

230V heaters can be connected to 120V power. Their wattage is reduced to  $\frac{1}{4}$  of the rated wattage. 115V heaters should not be connected to 230V power unless wiring 2 heaters or more in series. See example #2 below.

The heaters are .250 incolloy, which is comparable to Alloy #334.

**Sometimes more than 1 heater is needed to handle a replacement. In that situation, remember the following:**

1. Two heaters of equal wattage. Connect in series at rated voltage. This will generate  $\frac{1}{2}$  the wattage of 1 heater. For example, 2 ea 500W heaters, 230V connected in series to 230V=250 watts total.
2. Two 115V heaters with equal wattage connected in series to 230V power will generate their total wattage. For example, 2 ea 300W, 115V heaters connected in series = 600W total output.
3. Two heaters with equal voltage connected in parallel (at rated voltage) will produce the total of their wattages. For example, 1 ea 500W heater and 1 ea 300W heater, both 115V wired in parallel = 800W total.

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