



Technical Bulletin

Electric Element Substitution

Models Affected: All Electric

Double element, 240V heaters are normally delivered from the factory with 4500W elements. The leads from the incoming service connection to the upper thermostat are 12 gauge wire with 14 gauge used between the thermostats and the heating elements.

When 5000W, 5500W or 6000W size elements are substituted for 4500W, the wire **MUST** be changed to a heavier gauge to handle the heavier load. The leads from the service connection must change from 12 to 10 gauge and the internal wiring between thermostats and elements must change from 14 to 12 gauge. Circuit breaker protection to the heater must also be increased. (See separate announcement/bulletin on circuit breaker protection). Failure to comply with the above information will result in unsafe and hazardous conditions.

Non-foam insulated 240V heaters (except tabletops) using 5500W or 6000W elements require a special jacket head assembly which includes a grounding and conduit bracket.

Remember that element wattage changes affect the rating plate data as well as the Energy guide label.

The maximum allowable wattage for 6 and 12 gallon utility series heaters is 1500W - whether they be for 120V or 240V operation.

If you have any questions or concerns related to electric element substitution, contact our Product Service & Support Department immediately at:

1-800-999-9515