



Colorado Brewing Systems

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Care and Use of Electric Heating Elements.

Electric brewing represents one of the most efficient methods to heat and boil during the brewing process, however certain precautions must be taken to ensure that the elements remain in good working condition.

- 1.) Elements must never be dry fired. Even a few seconds of dry firing an element not submerged in liquid can destroy the element. Dry firing will damage the internal resistive coil and the magnesium oxide powder within the element sheath. Once dry fired an element should be replaced.
- 2.) When boiling elements **can not be left on at 100% power output.** Once you reach your boiling temperature no heat from the element can be absorbed into the wort and a steam barrier will form between the element and the wort. Boil output must be reduced immediately upon reaching a boil. Failure to do so is the equivalent of dry firing the element.
- 3.) Elements should be cleaned after each use. Elements should be unplugged from the control panel if removing them from the kettle.
- 4.) Element wiring should be inspected frequently.
- 5.) Elements will remain hot after use, before handling an element insure that you have given it sufficient time to cool.
- 6.) Your system must be connected to an electrical circuit connected to a GFCI circuit breaker.