



SWIMMING POOL HEATERS

Section 110.4 of the Energy Efficiency Standards.

The following requirements apply to new or replacement swimming pool heaters installed to heat a residential swimming pool:

1. A thermal efficiency that complies with the Appliance Efficiency Regulations
2. A readily accessible on-off switch, mounted on the outside of the heater capable of shutting off the heater without adjusting the thermostat setting.
3. A permanent, easily readable, and weatherproof plate or card that gives instruction for the energy efficient operation of the pool or spa heater and for the proper care of pool or spa water when a cover is used.
4. No electric resistance heating shall be allowed (Exceptions, see Energy Code).
EXCEPTION 1: Listed package units with fully insulated enclosures and with tight-fitting covers that are insulated to at least R-6.0.
EXCEPTION 2: Pools or spas receiving at least 60% of the annual heating energy from site solar energy or recovered energy.
5. At least 36 inches of pipe shall be installed between the filter and the heater or dedicated suction and return lines, or built-in or built-up connections.
6. A cover for outdoor pools or outdoors spas that have a heat pump or gas heater.
7. A time switch or similar control mechanism shall be installed as part of a pool water circulation control system. The control mechanism shall allow all pumps to be set or programmed to run only during the off-peak electric demand period.
8. The pool shall have directional inlets that adequately mix the pool water.

Supersedes MCM 301.1 (04/01/2003)


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