

GEW108-14

607.7

Proponent: Gary Klein, Affiliated International Management, LLC, representing self
(gary@aim4sustainability.com)

Delete without substitution:

~~**607.7 Circulating hot water systems.** Controls that allow continuous, timer, or water temperature-initiated (aquastat) operation of a circulating pump are prohibited. Gravity or thermosyphon circulation loops are prohibited. Pumps on circulating hot water systems shall be activated on demand by either a hard-wired or wireless activation control of one of the following types:~~

- ~~1. A normally open, momentary contact switch.~~
- ~~2. Motion sensors that make momentary contact when motion is sensed. After the signal is sent, the sensor shall go into a lock-out mode for not less than 5 minutes to prevent sending a signal to the electronic controls while the circulation loop is still hot.~~
- ~~3. A flow switch.~~
- ~~4. A door switch.~~

~~The controls for the pump shall be electronic and operate on the principal of shutting off the pump with a rise in temperature. Electronic controls shall have a lock-out to prevent operation at temperatures greater than 105°F (41°C) in the event of failure of the device that senses temperature rise. The electronic controls shall have a lock out mode for not more than 5 minutes that prevents extended operation of the pump if the sensor fails or is damaged.~~

Reason: I am proposing to delete this section because its provisions are now included in the 2015 IECC and the 2015 IPC. Proposal CE-279 Part 1 was approved at the Final Comment Hearing in 2013. A coordinating section was approved for inclusion in the IPC. Since the IgCC is an overlay code, there is no longer a need for this section. I urge you to support this proposal. Thank you.

Cost Impact: Will not increase the cost of construction.

The discussion regarding the impact on the cost of construction was heard during the IECC hearings.

From CE-279's reason statement (covering both circulation and heat trace systems): The proposal does not require either circulation or heat trace; however if either is selected, it clarifies the requirements for installation. Most recirculation systems today are installed with some form of control, usually a timer, a bandwidth thermostat (aquastat) or both. Some come with more sophisticated controls, such as programmable or are connected to an energy management system. In some cases, switching from these control strategies to demand activated controls will cost less. In other cases, the demand-activated controls will cost more.

Deleting this section will not increase the cost of construction.

GEW108-14: 607.7-KLEIN819