
PROTECT DRINKING WATER RADIANT HEAT SYSTEMS – OPEN AND CLOSED

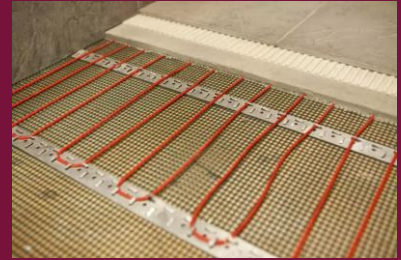
Radiant heating systems must be installed according to Washington State Uniform Plumbing Code. Both open (plumbed into the water system) and closed (self-contained) radiant heating systems can create a high health hazard for the following reasons:

- 1) Radiant systems are often connected to the potable water system with a permanent or removable connection.
- 2) The plumbing can often be complicated and it can be difficult to tell if a cross connection or potential cross-connection exists, or if the plumbing has been modified.
- 3) Not all systems are approved for potable water.
- 4) Some systems use toxic chemicals as the heat transfer medium.
- 5) The manufacturer may require or recommend chemical additions, regular cleanings, or water treatments which are toxic or create a health hazard.

Because even the most basic radiant floor heating systems typically use a much lower water temperature than hot water tanks and are therefore more prone to breeding Legionella bacteria, and because they often contain stagnant water, Surfside requires at minimum a DC on all radiant floor heating systems.

All radiant heating systems need to be evaluated by a Washington State Certified Cross Connection Control Specialist.

Surfside Homeowners Association
Cross-Connection Control Program



Radiant Floor Heat must be sufficiently isolated from the public drinking water.

At a minimum Radiant Heat Systems require a Double Check Valve Assembly (DC). Radiant Heat Systems which are found to be a high health hazard require a Reduced Pressure Backflow Assembly (RP).

**FOR QUESTIONS
PLEASE CONTACT**

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