

**NC Department of Insurance
Office of the State Fire Marshal - Engineering Division
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Residential Bin-type Icemakers

Code: 2012 NC Plumbing Code
Section: 801.2, 802.1.3

Date: August 28, 2014

Question:

Is an indirect waste connection required for a bin-type, under-the-counter residential icemaker?

Answer:

An indirect drain through an air gap is required for bin-type, under-the-counter residential icemakers.

The ice maker provides ice for human consumption. As such contamination of the ice is a health concern. Per section 801.2 of the plumbing code all devices, appurtenances, appliances and apparatus intended to serve some special function, such as sterilization, distillation, processing, cooling or storage of ice or foods, and that discharge to the drainage system, shall be provided with protection against backflow, flooding, fouling, contamination and stoppage of the drain. Section 802.1.3 states that where devices and equipment, such as sterilizers and relief valves, discharge potable water to the building drainage system, the discharge shall be through an indirect water pipe by means of an air gap.

In regards to the residential plumbing code deletion of these sections, page 671 of the residential code states that where differences occur between the provisions of the abridged text and the North Carolina plumbing Code, the provisions of the North Carolina Plumbing Code shall apply. Requirements not specifically covered by the text (of the Residential Building Code) shall conform to the North Carolina Plumbing Code..

Keywords: