

---

# Sections 105.1, 105.2.1, 105.5, and 105.5.1

## Approvals for Materials, Research Reports, and Equipment



The ICC Evaluation Service PMG listing process for equipment and materials provides essential information for the code official's enforcement decisions. The ICC-ES PMG Mark may be used by manufacturers on products that have received a listing.

**CHANGE TYPE.** Modification and Addition

**CHANGE SUMMARY.** The sections were modified to provide consistency and correlation with all the International Codes administrative provisions related to the approval process of modifications to the code and actions considering research reports and approval of materials and equipment.

**2009 CODE: 105.1 Modifications.** Whenever there are practical difficulties involved in carrying out the provisions of this code, the code official shall have the authority to grant modifications for individual cases, upon application of the owner or owner's representative provided the code official shall first find that special individual reason makes the strict letter of this code impractical and the modification is in conformity with the intent and purpose of this code and that such modification does not lessen health, life and fire safety requirements. The details of action granting modifications shall be recorded and entered in the files of the plumbing inspection department.

**105.2.1 Research Reports.** Supporting data, where necessary to assist in the approval of materials or assemblies not specifically provided for in this code, shall consist of valid research reports from approved sources.

**105.5 Approved Materials and Equipment.** Materials, equipment and devices approved by the code official shall be constructed and installed in accordance with such approval.

**105.5.1 105.5 Material and Equipment Reuse.** Materials, equipment and devices shall not be reused unless such elements have been reconditioned, tested, placed in good and proper working condition and approved.

**CHANGE SIGNIFICANCE.** This change was also submitted by the Ad Hoc Committee on the Administrative Provisions to ensure consistency for the administrative code provisions contained in Chapter 1 of all the I-Codes. The other codes consist of the International Building Code, International Residential Code, International Existing Building Code, International Fire Code, International Fuel Gas Code, International Energy Conservation Code, International Property Maintenance Code, International Mechanical Code, International Private Sewage Disposal Code, and International Wildland-Urban Interface Code. This new provision would make it clear that once equipment and materials are approved by the code official, their installation must be conducted in full accord with that approval.

This proposal focuses on the approval process in the International Plumbing Code to add a clear statement of what the basis is for the code official to consider a modification in Section 105.1. Section 105.2.1 is added to provide the appropriate purpose or equivalency of an alternative method being proposed. Reports providing evidence of this equivalency must be supplied by a source that the code official considers reliable and accurate. The purpose of adding Section 105.5 is to provide an administrative provision to make it clear that once equipment and materials are approved by the code official, their installation must be conducted in full accord with that approval.

**CHANGE TYPE.** Modification

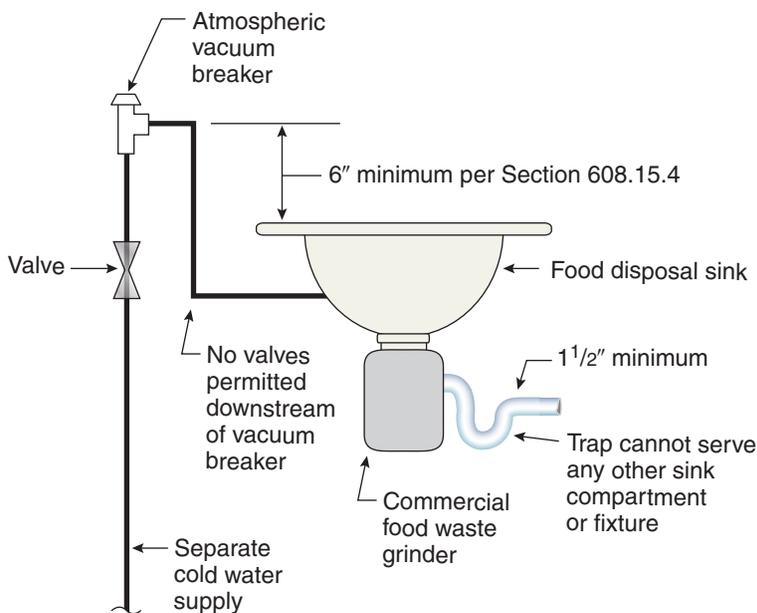
**CHANGE SUMMARY.** The modification allows consideration in selecting new equipment changes in food waster grinders provided by manufacturers.

**2009 CODE: 413.3 Commercial Food Waste Grinder Waste Outlets.** Commercial food waste grinders shall be connected to a drain a minimum of 2 inches (51 mm) not less than 1½ inches (38 mm) in diameter. Commercial food waste grinders shall be connected and trapped separately from any other fixtures or sink compartments.

**CHANGE SIGNIFICANCE.** The change allows the use of smaller units that are now available for use in commercial applications. The smaller units may of course have corresponding smaller drain sizes. The larger, most commonly used equipment will continue to have a 2-inch and possibly even larger drain with a water supply. The water supply aids in washing the waste down the drain and shall of course have proper backflow protection.

Some jurisdictions having authority mandate the use of waste grinders, commonly called disposals, in commercial as well as residential applications. There are differences of opinion on the requirement, as some groups feel that the landfill reductions of garbage supersedes the added sewage waste treatment costs associated with increased sewage treatment processes.

Code change proposals generally require a Cost Impact assessment statement with the submission. In this case, the statement could have stated: “The code change proposal may provide a decrease in the cost of construction.”



For SI: 1 inch = 25.4 mm.

Food waste grinders aid in the clean-up process for commercial kitchens as well as residential applications.

## 413.3

### Commercial Food Waste Grinder Waste Outlets