

CHANGE TYPE: Addition

CHANGE SUMMARY: New text addresses the juncture of appliance vent connectors and the required method.

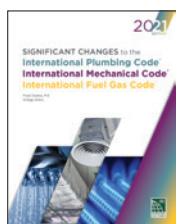
2021 CODE: **503.10.7 Connector junctions.** Where vent connectors are joined together, the connection shall be made with a tee or wye fitting.

CHANGE SIGNIFICANCE: This new requirement was added to address, primarily, single-wall vent connectors that are joined together before connecting to a chimney, B-vent or Type L vent. An age-old practice was to cut a hole in the side or bottom of a single-wall metal pipe vent connector to join a smaller vent connector pipe to it. For example, a 6-inch vertical single-wall pipe vent connector serving a boiler or furnace has a hole cut in the side of it and a 3-inch single-wall pipe vent connector serving a water heater is inserted into the hole and fastened in place by bent tabs that are screwed or riveted to the larger vent connector pipe.

Such connection is not substantial or secure, allows considerable leakage that can affect draft, creates an obstruction inside the larger vent connector, typically ignores connector sizing criteria and is, at best, poor practice. This new section requires the use of manufactured tee or wye fittings. This has not been an issue with double-wall connectors because they are necessarily joined with tee and wye fittings designed for the purpose.

503.10.7

Vent Connector Junctions



This excerpt is taken from *Significant Changes to the International Plumbing/Mechanical/Fuel Gas Codes, 2021 Edition*.

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