

**1346.5503 SECTION 503 (IFGC) VENTING OF EQUIPMENT.**

Subpart 1. **Section 503.2.2.** IFGC Section 503.2.2 is deleted.

Subp. 2. [Repealed, 34 SR 537]

Subp. 3. **Section 503.5.5.** IFGC Section 503.5.5 is amended to read as follows:

**503.5.5 Size of chimneys.** The effective area of a chimney venting system serving listed appliances with draft hoods, Category I appliances, and other appliances listed for use with Type B vents shall be in accordance with IFGC Section 504 or other approved engineering methods.

**Exceptions:**

1. As an alternate method of sizing an individual chimney venting system for a single appliance with a draft hood, the effective areas of the vent connector and chimney flue shall be not less than the area of the appliance flue collar or draft hood outlet, nor greater than four times the draft hood outlet area.

2. As an alternate method for sizing a chimney venting system connected to two appliances with draft hoods, the effective area of the chimney flue shall be not less than the area of the larger draft hood outlet plus 50 percent of the area of the smaller draft hood outlet, nor greater than four times the smallest draft hood outlet area.

Where an incinerator is vented by a chimney serving other gas utilization equipment, the gas input to the incinerator shall not be included in calculating chimney size, provided the chimney flue diameter is not less than 1 inch (25.4 mm) larger in equivalent diameter than the diameter of the incinerator flue outlet.

Subp. 4. **Section 503.5.6.** IFGC Section 503.5.6 is amended to read as follows:

**503.5.6 Inspection of chimneys.** Before replacing an existing appliance or connecting a vent connector to a chimney, the chimney passageway shall be examined to ascertain that it is clear and free of obstructions and it shall be cleaned if previously used for venting solid or liquid fuel-burning appliances or fireplaces.

Exception: Existing chimneys shall be lined in accordance with amended IFGC Section 501.12 unless otherwise approved by the building official.

Subp. 5. [Repealed, 34 SR 537]

Subp. 6. **Section 503.6.9.1.** IFGC Section 503.6.9.1 is amended to read as follows:

**503.6.9.1 Category I appliances.** The sizing of natural draft venting systems serving one or more listed appliances equipped with a draft hood or appliances listed for use with Type B gas vent, installed in a single story of a building, shall be in accordance with one of the following methods:

1. The provisions of Section 504.
2. For sizing an individual gas vent for a single draft-hood-equipped appliance, the effective area of the vent connector and the gas vent shall be not less than the area of the appliance draft hood outlet, nor greater than four times the draft hood outlet area.
3. For sizing a gas vent connected to two appliances with draft hoods, the effective area of the vent shall be not less than the area of the larger draft hood outlet plus 50 percent of the area of the smaller draft hood outlet, nor greater than four times the smaller draft hood outlet area.
4. Approved engineering practices.

Subp. 7. **Section 503.7.8.** IFGC Section 503.7.8 is amended to read as follows:

**503.7.8 Size of single-wall metal pipe.** A venting system constructed of single-wall metal pipe shall be sized in accordance with one of the following methods and the equipment manufacturer's instructions:

1. For a draft hood-equipped appliance, in accordance with IFGC Section 504.
2. For a venting system for a single appliance with a draft hood, the areas of the connector and the pipe each shall be not less than the area of the appliance flue collar or draft hood outlet, whichever is smaller. The vent area shall not be greater than four times the draft hood outlet area.
3. Other approved engineering methods.

Subp. 8. [Repealed, 34 SR 537]

Subp. 9. **Section 503.10.7.** IFGC Section 503.10.7 is amended to read as follows:

**503.10.7 Joints.** Joints between sections of connector piping and connections to flue collars and hood outlets shall be fastened by one of the following methods:

1. Three sheet metal screws equally spaced in accessible locations on the circumference of the vent.
2. Vent connectors of listed vent material assembled and connected to flue collars or draft hood outlets in accordance with the manufacturers' instructions.
3. Other approved means.

**Statutory Authority:** *MS s 16B.59; 16B.61; 16B.64; 326B.101; 326B.106; 326B.13*

**History:** *29 SR 299; L 2007 c 140 art 4 s 61; art 13 s 4; 34 SR 537*

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