

**1346.0506 SECTION 506 COMMERCIAL KITCHEN HOOD VENTILATION SYSTEM DUCTS AND EXHAUST EQUIPMENT.**

Subpart 1. **Section 506.3.** IMC Section 506.3 is amended to read as follows:

**506.3 Ducts serving Type I hoods.** Commercial kitchen exhaust systems serving Type I hoods shall be designed, constructed and installed in accordance with NFPA 96-2008, *Standard for Ventilation Control and Fire Protection of Commercial Cooking Operations*.

Subp. 2. **Sections 506.3.1 to 506. 3.12.3.** IMC Sections 506.3.1 to 506.3.12.3 are deleted and replaced with NFPA 96-2008, sections 5.1.1 and 7.5.2, with the following amendments:

**5.1.1** The hood or that portion of a primary collection means designed for collecting cooking vapors and residues shall be constructed of stainless steel not less than 0.94 mm (0.037 in.) (No. 20 MSG) in thickness or other approved material of equivalent strength and fire and corrosion resistance. Refer to the Minnesota Food Code, Minnesota Rules, chapter 4626, for additional requirements for commercial kitchen hoods licensed and inspected by the Department of Agriculture, Department of Health, or local authorities that conduct inspections of food establishments.

**7.5.2.1** All seams, joints, penetrations, and duct-to-hood collar connections shall have a liquid tight continuous external weld. Listed grease ducts and ducts complying with 7.5.1 through 7.5.5.5 that are installed within a concealed enclosure shall maintain an air pressure test of at least 1.0 inch water column positive pressure for a minimum of 20 minutes, unless an equivalent alternate test is specified by the building official.

Subp. 3. **Section 506.4.2.** IMC Section 506.4.2 is amended to read as follows:

**506.4.2 Ducts.** Ducts and plenums serving Type II hoods shall be constructed of rigid metallic materials. Duct construction, installation, bracing, and supports shall comply with IMC Chapter 6. Ducts conveying moisture-laden or waste heat-laden air shall comply with the following requirements:

1. Ducts shall be constructed, joined, and sealed to prevent drips and leaking.
2. Ducts shall slope not less than one-fourth unit vertical in 12 units horizontal (2 percent slope) toward the hood or toward an approved reservoir.
3. Horizontal ducts exceeding 75 feet (22,860 mm) in length shall slope not less than one unit vertical in 12 units horizontal (8.3 percent slope).
4. Ducts subject to positive pressure shall maintain an air pressure test of 1.0 inch water column positive pressure for a minimum of 20 minutes, unless an equivalent alternate test is specified by the building official.

**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

**Published Electronically:** *October 23, 2009*