

WAC 51-54A-0904 Alternative automatic fire-extinguishing systems. **904.1.1 (Effective Date 07/1/2021)–Certification of service personnel for fire-extinguishing equipment.** Service personnel performing system design, installation or conducting system maintenance or testing on automatic fire-extinguishing systems, other than automatic sprinkler systems, shall possess the appropriate ICC/NAFED certification.

904.1.1.1 (Effective Date 07/1/2021)–Preengineered kitchen fire-extinguishing systems. A current ICC/NAFED certification for preengineered kitchen fire-extinguishing systems is required when performing design, installation, inspection/testing or maintenance on kitchen suppression systems.

904.1.1.2 (Effective Date 07/1/2021)–Engineered fire suppression systems. A current ICC/NAFED certification for engineered fire suppression systems is required when performing design, installation, inspection/testing or maintenance on kitchen suppression systems.

904.1.1.3 (Effective Date 07/1/2021)—Preengineered industrial

fire-extinguishing system. A current ICC/NAFED certification for preengineered industrial fire-extinguishing system is required when performing design, installation, inspection/testing or maintenance on kitchen suppression systems.

904.12 Commercial cooking systems. The automatic fire-extinguishing system for commercial cooking systems shall be of a type recognized for protection of commercial cooking equipment and exhaust systems of the type and arrangement protected.

Preengineered automatic dry and wet chemical extinguishing systems shall be tested in accordance with UL 300 and listed and labeled for the intended application. Other types of automatic fire-extinguishing systems shall be listed and labeled for specific use as protection for commercial cooking operations.

The system shall be installed in accordance with this code, its listing and the manufacturer's installation instructions.

Signage shall be provided on the exhaust hood or system cabinet, indicating the type and arrangement of cooking appliances protected by the automatic fire-extinguishing system. Signage shall indicate appliances from left to right, be durable, and

the size, color, and lettering shall be approved. Automatic fire-extinguishing systems of the following types shall be installed in accordance with the referenced standard indicated, as follows:

1. Carbon dioxide extinguishing systems, NFPA 12;
2. *Automatic sprinkler systems*, NFPA 13;
3. Foam-water sprinkler systems or foam-water spray systems, NFPA 16;
4. Dry-chemical extinguishing systems, NFPA 17;
5. Wet-chemical extinguishing systems, NFPA 17A.

EXCEPTION: Factory-built commercial cooking recirculating systems that are tested in accordance with UL 710B and *listed, labeled* and installed in accordance with Section 304.1 of the *International Mechanical Code*.

[Statutory Authority: RCW 19.27.031 and 19.27.074. WSR 19-24-058, § 51-54A-0904, filed 11/27/19, effective 7/1/20; WSR 16-03-055, § 51-54A-0904, filed 1/16/16, effective 7/1/16.]