
Revision Date: 11/08/2023

1. **Design & Performance Criteria:**

- a. Wet Chemical fire suppression system mounted in cabinet and in hood over all cook-top surfaces whether counter-based or stove-based that automatically releases suppression agent in the event of fire on the cooktop.
- b. Coordinate space in cabinet above cooking surface to accommodate suppression unit equipment and related piping and cords.

2. **Reference Standards:**

- a. UL 300A Fire Suppression System
- b. NFPA 17A Standard for Wet Chemical Extinguishment Systems

3. **Submittals to be reviewed by University:**

- a. All product data
- b. Shop Drawings indicating location of unit in casework above cooking surface and coordination with building alarm systems and cooking surface power or fuel source.

4. **Products, Materials & Equipment:**

- a. Basis of design
 - i. Manufacturer: Guardian Safety Solutions International
 - ii. Model
 1. 500 for range hoods above cooking surfaces
 2. 600 for range hoods mounted to wall mounted microwave above the cooking surface
 - iii. Model: as selected by design professional according to compatibility with cooking surface hood type, size, and height above the cooking surface.
- b. Unit shall release stored wet agent by fusible link or sensor.

5. **Installation, Fabrication, and Construction:**

- a. Installation and testing require VT Technically Qualified Person (TQP) credential (T2 – Chemical Suppression), State/local AHJ permits required.
- b. Unit shall disconnect cooking surface from power/fuel upon activation.
- c. Provide units in all kitchens and kitchenette facilities with a cooking surface.
- d. Unit mounts in cabinet above cooking surface

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- e. Unit shall be tied into fire alarm system when one is present in the building. In buildings monitored by a master radio call box in Burlington, VT, suppression systems require a separate (existing or new) distinct MRCB zone, at the AHJ's discretion. Reprogramming to add a MRCB zone may be required if one doesn't already exist.
 - f. Unit shall report to police services via the building management system in buildings not equipped with a fire alarm system
6. **Warranties:**
- a. Manufacturer's standard product warranty
 - b. Installer's standard warranty on installation