

Environmental Health & Safety Fire Extinguisher Design Standard

PART 1 – GENERAL

1.1 SUMMARY

- A. The minimum selection and installation method for which fire extinguishers shall be installed. This standard shall apply to any new construction or renovation.

1.2 DESIGN CRITERIA

A. Fire Extinguishers

1. Fire extinguishers/cabinets/signage shall be purchased from the current fire extinguisher contractor utilized by the University of Delaware. Contact EHS for contractor information.
2. Install all fire extinguishers as per current edition of NFPA 10.
3. Amerex fire extinguishers shall be the standard manufacture brand used on the campus. No substitutes accepted.
4. Amerex fire extinguishers with brass or aluminum valves with “J-hook” type wall/cabinet mounting hook are the only acceptable types unless approval is given by the Department of Environmental Health and Safety.
5. Ten-pound ABC is the common size used within buildings although on vehicles.
6. Special application areas where ABC Dry Chemical Extinguishers are not suitable may require the use of:
 7. CO₂, Halotron or other “clean agent” fire extinguisher.
 8. K-Class for commercial cooking locations.
 9. Class D fire extinguisher.
10. These situations will be evaluated and approved by the Department of Environmental Health and Safety.

B. Cabinets

1. All cabinets shall be either fully recessed or semi-recessed and shall have a full acrylic viewing door installed.
2. All cabinets shall be white or aluminum in color.
3. Cabinet doors will be roller type latching without keys

C. Signage

1. All extinguishers installed with new/renovation projects shall have 3D fire extinguisher signage installed in addition to typical fire extinguisher sticker/cabinet markings.
2. 3D signage listed above shall be installed 8' from floor to top of the sign and centered over the fire extinguisher/fire extinguisher cabinet.

1.3 APPROVED MANUFACTURERS

- A. Amerex (fire extinguisher)
- B. 3-D Fire Extinguisher Rigid Plastic Angle Sign – #PTD182

1.4 REFERENCES

- A. NFPA 10

1.5 DO'S & DON'TS

- A. Fire Extinguisher cabinets shall not have bubble doors/covers installed as they have been proven to not withstand use in a University environment.
- B. Fire Extinguisher cabinet doors shall be non-locking in nature.

1.6 ATTACHMENTS