

**SECTION 10 44 00
FIRE PROTECTION SPECIALTIES**

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Fire extinguishers.
- B. Self-service reloadable fire extinguishers.
- C. Fire blankets.
- D. Fire extinguisher cabinets.
- E. Fire hose and hydrant cabinets.
- F. Accessories.

1.02 RELATED REQUIREMENTS

- A. Section 06 10 00 - Rough Carpentry: Wood blocking product and execution requirements.
- B. Section _____: Roughed-in wall openings.
- C. Section 09 91 23 - Interior Painting: Field paint finish.
- D. Section _____: Wall module cabinet enclosures.
- E. Section 21 12 00 - Fire-Suppression Standpipes: Cabinet enclosure for extinguishers.
- F. Section _____: Placement of rough-in frame for cabinets.

1.03 REFERENCE STANDARDS

- A. ASTM E814 - Standard Test Method for Fire Tests of Penetration Firestop Systems; 2023a.
- B. FM (AG) - FM Approval Guide; Current Edition.
- C. NFPA 10 - Standard for Portable Fire Extinguishers; 2022.
- D. UL (DIR) - Online Certifications Directory; Current Edition.

1.04 SUBMITTALS

- A. See Section 01 30 00 - Administrative Requirements, for submittal procedures.
- B. Product Data: Provide extinguisher operational features.
- C. Shop Drawings: Indicate locations of cabinets and cabinet physical dimensions.
- D. Manufacturer's Installation Instructions: Indicate special criteria and wall opening coordination requirements.
- E. Manufacturer's Certificate: Certify that products meet or exceed specified requirements.
- F. Maintenance Data: Include test, refill or recharge schedules and re-certification requirements.

1.05 FIELD CONDITIONS

- A. Do not install extinguishers when ambient temperature may cause freezing of extinguisher ingredients.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Fire Extinguishers:
 - 1. Activar Construction Products Group, Inc. - JL Industries; Cosmic Extinguisher - Multipurpose Chemical: www.activarcpg.com/#sle.
 - 2. Ansul, a Tyco Business; ____: www.ansul.com/#sle.
 - 3. Fire-End & Croker Corporation: www.croker.com/#sle.
 - 4. Kidde, a unit of United Technologies Corp; ____: www.kidde.com/#sle.
 - 5. Oval Brand Fire Products; Oval Dry Chemical Fire Extinguisher - Multipurpose ABC: www.ovalfireproducts.com/#sle.

6. Potter-Roemer; _____: www.potterroemer.com/#sle.
 7. Pyro-Chem, a Tyco Business; _____: www.pyrochem.com/#sle.
 8. _____.
 9. Substitutions: See Section 01 60 00 - Product Requirements.
- B. Self-Service Reloadable Fire Extinguishers:
1. Rusoh, Inc; _____: www.rusoh.com/#sle.
 2. _____.
 3. _____.
 4. Substitutions: See Section 01 60 00 - Product Requirements.
- C. Fire Extinguisher Cabinets and Accessories:
1. Activar Construction Products Group, Inc. - JL Industries; Ambassador Series: www.activarcpg.com/#sle.
 2. Fire-End & Croker Corporation: www.croker.com/#sle.
 3. Kidde, a unit of United Technologies Corp: www.kidde.com/#sle.
 4. Larsen's Manufacturing Co: www.larsensmfg.com/#sle.
 5. Oval Brand Fire Products; Cabinets for Low Profile Extinguishers: www.ovalfireproducts.com/#sle.
 6. Potter-Roemer; _____: www.potterroemer.com/#sle.
 7. The Williams Brothers Corporation of America; Classic Economy Series: www.wbdoors.com/#sle.
 8. _____.
 9. Substitutions: See Section 01 60 00 - Product Requirements.
- D. Fire Hose and Hydrant Cabinets and Accessories:
1. Safety One; Hose & Hydrant Storage Series: www.safetyone.com/#sle.
 2. _____.
 3. _____.
 4. Substitutions: See Section 01 60 00 - Product Requirements.

2.02 MANUFACTURERS

- A. Larsens Manufacturing Co., Minneapolis, MN
- B. Modern Metal Products, Owatonna, MN
- C. Potter Roemer, Union, NJ
- D. AMEREX Corporation, Trussville, AL 35173

2.03 FIRE EXTINGUISHERS

- A. Fire Extinguishers - General: Comply with product requirements of NFPA 10 and applicable codes, whichever is more stringent.
 1. Provide extinguishers labeled by UL (DIR) or FM (AG) for purpose specified and as indicated.
- B. Water Type Fire Extinguishers: Stainless steel tank, pressurized, with premixed antifreeze solution, including hose and nozzle.
 1. Class: 2-A type.
 2. Size: 2.5 gallon.
 3. Size and classification as scheduled.
 4. Finish: Polished chrome.
 5. Temperature Range: Minus 40 degrees F to 120 degrees F.
- C. Multipurpose Dry Chemical Type Fire Extinguishers: Carbon steel tank, with pressure gauge.
 1. Class: A:B:C type.
 2. Temperature range: Minus 40 degrees F to ____ degrees F.

2.04 FIRE EXTINGUISHER CABINETS

- A. Fire Rating: Listed and labeled in accordance with ASTM E814 requirements for fire resistance rating of walls where being installed.
- B. Cabinet Construction: Non-fire rated.
- C. Fire Rated Cabinet Construction: One-hour fire rated.

2.05 FIRE HOSE AND HYDRANT CABINETS

- A. Cabinet Construction: Nonfire rated, trimless.
 - 1. Formed galvanized steel sheet; 0.064-inch thick base metal.
 - 2. Configuration: Freestanding.
 - 3. Application: Contains fire hose and fire hydrant.
 - 4. Nominal dimensions of ____ inch wide by ____ inch high by ____ inch deep.
 - 5. Leg Length: 12 inches.
 - 6. Louvers: Two; galvanized steel.
- B. Door: Formed galvanized steel sheet 0.064-inch thick base metal. Hinge doors for 180-degree opening with stainless steel continuous piano hinge.
- C. Cabinet Mounting Hardware: Appropriate to cabinet, with predrilled holes for placement of anchors.
- D. Fabrication: Weld, fill, and grind components smooth.
- E. Finish: Red baked enamel.

2.06 ACCESSORIES

- A. Fire Blanket: Fire retardant treated wool; red, 62 by 84 inch size.
- B. Extinguisher Brackets: Formed steel, chrome-plated.
- C. Extinguisher Theft Alarm: Battery operated alarm, 10 second delay for disarming, activated by opening cabinet door.
- D. Cabinet Signage: _____.
- E. Lettering: "FIRE EXTINGUISHER" decal, or vinyl self-adhering, prespaced black lettering in accordance with authorities having jurisdiction (AHJ).
- F. Floor Signs:
 - 1. Floor Sign: 17-1/2 inch diameter vinyl sign with "DO NOT BLOCK FIRE EXTINGUISHER", directional arrow, and fire extinguisher icon.
 - 2. Manufacturers:
 - a. Brimar Industries, Inc; _____: www.brimar.com/#sle.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify existing conditions before starting work.
- B. Verify rough openings for cabinet are correctly sized and located.

3.02 INSTALLATION

- A. Install in accordance with manufacturer's instructions.
- B. Secure rigidly in place.

3.03 MAINTENANCE

- A. See Section 01 70 00 - Execution and Closeout Requirements, for additional requirements relating to maintenance service.
- B. Provide a separate maintenance contract for specified maintenance service.
- C. Provide a separate maintenance contract for the service and maintenance of _____ for _____ years from Date of Substantial Completion.

3.04 MAINTENANCE - SELF-SERVICE FIRE EXTINGUISHERS

- A. Monthly Inspections: Inspect self-service fire extinguishers on monthly basis in accordance with manufacturer's instructions, and requirements of the authorities having jurisdiction (AHJ).
- B. Annual Inspections: Inspect self-service fire extinguishers on annual basis in accordance with manufacturer's instructions, and requirements of the authorities having jurisdiction (AHJ).
- C. Inspection Certification Tag: Provide new tag indicating acceptable condition of fire extinguisher, date of inspection, and name of self-service inspector for each inspection.

3.05 SCHEDULES

- A. Corridors: Water Type, Class 2-A, 2 1/2 gallon (11 L) capacity, polished chrome finish, placed in 12 inch (300 mm) wide by 30 inch (760 mm) high by 10 inch (250 mm) deep recessed polished stainless steel cabinet; locate two per floor.
- B. Computer Room: FE-36 Type, Class 5-B:C, pressurized, 2 required for wall bracket mounting, white color.
- C. Boiler Room: One fire blanket, and One Dry Chemical Type, Class 4-A:60-B:C fire extinguisher placed in 24 inch wide (600 mm) by 30 inch high (760 mm) by 10 inch (250 mm) deep surface mounted cabinet.

END OF SECTION 10 44 00