

## Carbon Dioxide Hand Portable Fire Extinguishers

### Features

- Simple operation and maintenance
- Portable, compact design
- Non-corrosive, non-conductive, clean suppressing agent leaves no residue
- Steel shell has a fluted base design which resists corrosion for a longer service life
- Lightweight aluminum shell also available
- Both steel and aluminum models are available in 5, 10, 15, and 20 pound sizes (2.3, 4.5, 6.8, 9.1 kg)
- All models are UL listed; aluminum models are also ULC listed
- Five, 10, 15, and 20 pound models with heavy duty vehicle brackets are U.S. Coast Guard approved for marine use. Most other manufacturers' brackets do not meet Coast Guard requirements.
- Operating temperature range is -22 °F to 120 °F (-30 °C to 49 °C)
- Six year limited warranty

### Application

SENTRY Carbon Dioxide Fire Extinguishers are designed to protect areas where Class B (flammable liquids and gases) or Class C (energized electrical equipment) fires could occur. They may be used indoors where winds and drafts do not affect discharge or where a clean suppressing agent is required.

Typical applications include:

- Laboratories
- Electronic equipment
- Low voltage electrical equipment
- Municipal fire departments

### Ordering Information

For fire protection assistance, see your nearest Authorized SENTRY Distributor.



007109





### Description

1. The easy grip handle provides non-slip holding and quick activation of the extinguisher.
2. The ring pin and visual seal help prevent unwanted discharge of the extinguisher. If the extinguisher is tampered with, the visual seal self-destructs, making detection of tampering easy. Metal ring pins are designed to help prevent accidental discharge if the extinguisher is dropped or mishandled.
3. The extinguisher nameplate provides only vital information related to the use and care of the unit, such as:
  - Operation instructions – Easy to follow pictographs and instructions help novice fire fighters to operate the unit correctly.
  - Agent identification and fire class rating – Pictographs and clear, simple statements show what fuels the agent can suppress.
  - After use instructions – Provide basic steps for extinguisher recharge.
4. The one piece steel shell is deep drawn from tough, low carbon steel to help provide resistance to impact, vibration and corrosion. The steel shell has a fluted base for stability and reduced corrosion. The aluminum shell model is sturdy, yet lightweight.
5. The special red powder paint finish makes the unit easy to locate in an emergency. The paint resists cracking and chipping, adding to the corrosion-resistance of the shell.
6. The 5, 10, 15, and 20 pound extinguishers are available with a U.S. Coast Guard approved vehicle mounting bracket, or a standard wall hanger is available for all sizes to provide versatility in extinguisher selection and application.

**Note:** The converted values in this document are provided for dimensional reference only and do not reflect an actual measurement.

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## Specifications

| CARBON DIOXIDE<br>EXTINGUISHERS         | SENTRY 5  |   | SENTRY 10  |   | SENTRY 15   |   | SENTRY 20   |   |
|---|---|---|--|---|---|---|---|---|
|   | <br>007107 |   | <br>007108 |   | <br>007109 |   | <br>007110 |   |
| Model                                   | CD05-1<br>(steel)   | CD05A-1<br>(aluminum)                       | CD10-2<br>(steel)  | CD10A-1<br>(aluminum)                     | CD15-2<br>(steel)   | CD15A-1<br>(aluminum)                     | CD20-2<br>(steel)   | CD20A-1<br>(aluminum)                     |
| Extinguisher<br>Part No.                | 431569  | 431553<br>(431557-ULC)                      | 442410   | 431554<br>(431558-ULC)                    | 442411  | 431555<br>(431559-ULC)                    | 442412  | 431556<br>(431560-ULC)                    |
| Bracket Part No.                        | 25419   | 25419                                       | 79456  | 79456                                     | 79456   | 79456                                     | 25420   | 25420                                     |
| Agent Capacity                          | 5 lb (2.3 kg)   | 5 lb (2.3 kg)                               | 10 lb (4.5 kg)   | 10 lb (4.5 kg)                            | 15 lb (6.8 kg)  | 15 lb (6.8 kg)                            | 20 lb (9.1 kg)  | 20 lb (9.1 kg)                            |
| UL/ULC Rating                           | 5-B:C   | 5-B:C                                       | 10-B:C   | 10-B:C                                    | 10-B:C  | 10-B:C                                    | 10-B:C  | 10-B:C                                    |
| Coast Guard<br>Classification           | Type B:C, Size I  | Type B:C, Size I                            | Type B:C, Size I   | Type B:C, Size I                          | Type B:C, Size II   | Type B:C, Size II                         | Type B:C, Size II   | Type B:C, Size II                         |
| Max. Effective<br>Range                 | 6 ft (1.8 m)  | 6 ft (1.8 m)                                | 6 ft (1.8 m)   | 6 ft (1.8 m)                              | 6 ft (1.8 m)  | 6 ft (1.8 m)                              | 6 ft (1.8 m)  | 6 ft (1.8 m)                              |
| Charged Weight<br>(w/o Horn/Hose)       | 16 3/4 lb (7.6 kg)  | 13 1/2 lb (6.1 kg)                          | 39.4 lb (17.9 kg)  | 26 3/4 lb (12.1 kg)                       | 50.5 lb (22.9 kg)   | 35 3/4 lb (16.2 kg)                       | 62.7 lb (28.4 kg)   | 46 3/4 lb (21.2 kg)                       |
| Discharge Time (Sec.)                   | 10  | 10  | 8.7  | 8.7                                       | 15.1  | 15.1                                      | 19.6  | 19.6                                      |
| Dimensions:<br>(w/o Horn/Hose)          | in. (mm)  | in. (mm)                                    | in. (mm)   | in. (mm)                                  | in. (mm)  | in. (mm)                                  | in. (mm)  | in. (mm)                                  |
| Height                                  | 19 3/4 (502)  | 19 (483)                                    | 22 3/4 (578)   | 21 1/4 (540)                              | 28 (711)  | 28 (711)                                  | 30 1/4 (768)  | 28 (711)                                  |
| Width                                   | 7 3/8 (187)   | 7 1/4 (184)                                 | 10 7/8 (276)   | 10 15/16 (278)                            | 10 7/8 (276)  | 10 15/16 (278)                            | 11 7/8 (302)  | 12 (305)                                  |
| Depth                                   | 6 5/16 (160)  | 5 11/32 (136)                               | 7 (178)  | 7 (178)                                   | 7 (178)   | 7 (178)                                   | 7 29/32 (201)   | 8 3/32 (206)                              |
| Hose Length<br>(5/16 in. (7.9 mm) Dia.) | Discharge tube<br>with horn   | Discharge tube<br>with horn                 | 36 in. (914 mm)  | 36 in. (914 mm)                           | 36 in. (914 mm)   | 36 in. (914 mm)                           | 36 in. (914 mm)   | 36 in. (914 mm)                           |
| Shell (outside diameter)                | 5 7/32 in.<br>(133 mm)  | 5 1/4 in.<br>(133 mm)                       | 7 in.<br>(178 mm)  | 6 29/32 in.<br>(175 mm)                   | 7 in.<br>(178 mm)   | 6 29/32 in.<br>(175 mm)                   | 7 3/8 in.<br>(187 mm)   | 8 in. (203 mm)                            |
| Service Pressure                        | 1800 psi (124 bar)  | 1800 psi (124 bar)                          | 1800 psi (124 bar)   | 1800 psi (124 bar)                        | 1800 psi (124 bar)  | 1800 psi (124 bar)                        | 1800 psi (124 bar)  | 1800 psi (124 bar)                        |
| Fire Suppression<br>Capability*         |   |   |  |   |   |   |   |   |
| Operator:                               |   |   |  |   |   |   |   |   |
| Novice                                  | 5 ft <sup>2</sup> (0.47 m <sup>2</sup> )  | 5 ft <sup>2</sup> (0.47 m <sup>2</sup> )    | 10 ft <sup>2</sup> (0.93 m <sup>2</sup> )  | 10 ft <sup>2</sup> (0.93 m <sup>2</sup> ) | 10 ft <sup>2</sup> (0.93 m <sup>2</sup> )   | 10 ft <sup>2</sup> (0.93 m <sup>2</sup> ) | 10 ft <sup>2</sup> (0.93 m <sup>2</sup> )   | 10 ft <sup>2</sup> (0.93 m <sup>2</sup> ) |
| Experienced                             | 12.5 ft <sup>2</sup> (1.16 m <sup>2</sup> )   | 12.5 ft <sup>2</sup> (1.16 m <sup>2</sup> ) | 25 ft <sup>2</sup> (2.32 m <sup>2</sup> )  | 25 ft <sup>2</sup> (2.32 m <sup>2</sup> ) | 25 ft <sup>2</sup> (2.32 m <sup>2</sup> )   | 25 ft <sup>2</sup> (2.32 m <sup>2</sup> ) | 25 ft <sup>2</sup> (2.32 m <sup>2</sup> )   | 25 ft <sup>2</sup> (2.32 m <sup>2</sup> ) |

\* Underwriters Laboratories (UL and ULC) classifies a “novice operator” as one who has little or no experience in operating a fire extinguisher.

Hydrostatic Test Requirement: Once every 5 years (All Models)