

# SENTRY® CARBON DIOXIDE HAND PORTABLE EXTINGUISHERS

Data/Specifications



## FEATURES

- Simple operation and maintenance.
- Portable, compact design.
- Non-corrosive, non-conductive, clean extinguishing agent.
- Steel shell is deep-drawn for higher tensile strength and lighter weight than standard steel shells. The steel shell also 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.
- All models are UL listed. Aluminum models are also ULC listed.
- Five, 10, and 15 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 -40 °F to 120 °F (-40 °C to 49 °C)

## APPLICATION

ANSUL 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 extinguishing agent is required.

Typical applications include:

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

## 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 allow 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 extinguish.
  - After use instructions – Provide basic steps for extinguisher recharge.
4. The one piece steel shell is deep drawn from tough, low carbon steel to 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 and 15 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.

## ORDERING INFORMATION

For fire protection assistance, see your nearest authorized ANSUL distributor listed in your local yellow pages or contact your ANSUL sales representative.

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SPECIFICATIONS									
CARBON DIOXIDE EXTINGUISHERS	SENTRY 5		SENTRY 10		SENTRY 15		SENTRY 20		
									
	007107		007108		007109		007110		
<b>Model</b>	CD05-1 (steel)	CD05A-1 (aluminum)	CD10-1 (steel)	CD10A-1 (aluminum)	CD15-1 (steel)	CD15A-1 (aluminum)	CD20-1 (steel)	CD20A-1 (aluminum)	
<b>Extinguisher Part No.</b>	431569	431553 (431557-ULC)	431570	431554 (431558-ULC)	431571	431555 (431559-ULC)	431572	431556 (431560-ULC)	
<b>Bracket Part No.</b>	25419	25419	79456	79456	79456	79456	25420**	25420**	
<b>Agent Capacity</b>	5 lb. (2.3 kg)	5 lb. (2.3 kg)	10 lb. (4.6 kg)	10 lb. (4.6 kg)	15 lb. (6.9 kg)	15 lb. (6.9 kg)	20 lb. (9.2 kg)	20 lb. (9.2 kg)	
<b>UL/ULC Rating</b>	5-B:C	5-B:C/5-B:C	10-B:C	10-B:C/10-B:C	10-B:C	10-B:C/10-B:C	10-B:C	10-B:C/10-B:C	
<b>Coast Guard Classification</b>	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			
<b>▶ Max. Effective Range</b>	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)	
<b>▶ Charged Weight (with agent)</b>	16 3/4 lb. (7.6 kg)	13 1/2 lb. (6.1 kg)	34 lb. (15.4 kg)	26 3/4 lb. (12.1 kg)	44 1/2 lb. (20.2 kg)	35 3/4 lb. (16.2 kg)	53 1/2 lb. (24.3 kg)	46 3/4 lb. (21.2 kg)	
<b>▶ Discharge Time (Sec.)</b>	10	10	10	10	11	11	13	13	
<b>▶ Dimensions:</b>									
<b>Height</b>	18 1/2 in. (470 mm)	18 1/4 in. (464 mm)	23 1/4 in. (591 mm)	20 3/4 in. (527 mm)	28 in. (711 mm)	27 1/4 in. (692 mm)	28 in. (711 mm)	27 1/2 in. (699 mm)	
<b>Width</b>	7 3/8 in. (187 mm)	7 1/4 in. (184 mm)	10 7/8 in. (276 mm)	10 15/16 in. (278 mm)	10 7/8 in. (276 mm)	10 15/16 in. (278 mm)	11 7/8 in. (302 mm)	12 in. (305 mm)	
<b>Depth</b>	6 5/16 in. (160 mm)	5 11/32 in. (136 mm)	6 7/8 in. (175 mm)	7 in. (178 mm)	6 7/8 in. (175 mm)	7 in. (178 mm)	7 29/32 in. (201 mm)	8 3/32 in. (206 mm)	
<b>Hose</b>	Discharge tube with horn	Discharge tube with horn	36 in. (914 mm) length of 36 in. (914 mm) length of 5/16 in. (7.9 mm) hose	36 in. (914 mm) length of 36 in. (914 mm) length of 5/16 in. (7.9 mm) hose	36 in. (914 mm) length of 5/16 in. (7.9 mm) hose	36 in. (914 mm) length of 5/16 in. (7.9 mm) hose	5/16 in. (7.9 mm) hose	5/16 in. (7.9 mm) hose	
<b>Shell</b>	5 7/32 in. (133 mm) outside diameter steel shell	5 1/4 in. (133 mm) outside diameter aluminum shell	6 25/32 in. (172 mm) outside diameter steel shell	6 29/32 in. (175 mm) outside diameter aluminum shell	6 25/32 in. (172 mm) outside diameter steel shell	6 29/32 in. (175 mm) outside diameter aluminum shell	7 13/16 in. (198 mm) outside diameter steel shell	8 in. (203 mm) outside diameter aluminum shell	
<b>Service Pressure</b>	2015 psi (139 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)	
<b>Fire Suppression Capability*</b>									
<b>Operator:</b>									
<b>Novice</b>	5 sq. ft.	5 sq. ft.	10 sq. ft.	10 sq. ft.	10 sq. ft.	10 sq. ft.	10 sq. ft.	10 sq. ft.	
<b>Experienced</b>	12.5 sq. ft.	12.5 sq. ft.	25 sq. ft.	25 sq. ft.	25 sq. ft.	25 sq. ft.	25 sq. ft.	25 sq. ft.	

\* Underwriters Laboratories classifies a "novice operator" as one who has little or no experience in operating a fire extinguisher

\*\* Bracket not Coast Guard Approved.

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