

# SENTRY® DRY CHEMICAL HAND PORTABLE EXTINGUISHERS

Data/Specifications



## FEATURES

- Economically priced
- Meets or exceeds requirements of ANSI/UL 299 and 711
- DOT and USCG approved with proper bracket
- Simple operation and maintenance
- Tough, glare-resistant, one-piece mylar nameplates
- Rechargeable
- Manufactured of durable high quality materials
- Choice of dry chemical agents to satisfy specific protection requirements
- Large, easy-to-read pressure gauge
- Manuals, parts lists, videotapes available for training purposes
- Hand portable fire fighting training at the world renowned ANSUL® Fire School
- Six year limited warranty from date of delivery to original end-user purchaser
- Sold and serviced through an international network of independent distributors in every state and most foreign countries
- ▶ ■ 2 1/2 and 5 lb units also available with vehicle bracket

## APPLICATIONS

SENTRY® dry chemical extinguishers are designed for protection of light and ordinary hazards. These compact and portable extinguishers are suited for both industrial and commercial fire protection needs. All extinguishers are designed to fit most wall mounted storage cabinets. Typical applications include light manufacturing, warehousing, restaurants, office buildings, shop areas, auto repair shops, paint process areas, welding areas, machinery, apartment buildings, parking garages, aircraft servicing areas, material handling vehicles, and many others.

## DESCRIPTION

- ▶ 1. SENTRY shells are produced by a cold deep draw process which yields a seamless steel cylinder with a high tensile strength.
- ▶ 2. ANSUL's unique pre-treatment of the raw low carbon steel not only consists of a cleaning process, but also applies a special lubricant which helps keep the interior and exterior shell surfaces scratch free.
- 3. The collar and specially preformed bottom enclosure are MIG welded to produce a smooth, high integrity weld.
- 4. Extinguisher shells are 100% factory air tested in excess of 600 psi (41.4 bar).
- 5. The powder paint process used by ANSUL is superior to conventional liquid based paint systems in its ability to resist blistering, cracking, fading, chipping and corrosion.
- ▶ 6. Before the extinguisher shells are painted, they are surface treated with a blasting or phosphate bonding process. This enhances the paint adhesion and corrosion resistance.
- ▶ 7. The specially formulated powder paint is electrostatically applied and oven cured to help ensure complete coverage and uniform paint thickness.
- 8. Easy grip extinguisher handles designed for maximum portability, allowing operators to fight the fire without removing work gloves.
- 9. SENTRY extinguisher valve bodies are made from a durable extruded aluminum alloy.

- 10. Completed valve assemblies feature plated steel valve stems which contain O-Ring and seat material compatible with the agent to provide reliable performance and long life.
- 11. Rugged all-steel pick-up tubes help provide proper and dependable agent flow through the valve body.
- 12. Aluminum alloy hose ferrules are coated with Stalgard, to resist oxidation.
- 13. SENTRY extinguishers have large, color-coded pressure gauges which provide a quick visual indication of unit readiness.
- 14. Metal ring pins are utilized and held in place by a visual inspection seal to help prevent accidental discharges.
- ▶ 15. One piece, multilingual, color-coded mylar label with easy-to-read pictograms provides the user with step-by-step operating instructions and the hazard classes for which the extinguisher was designed. Label also contains useful recharge, maintenance, inspection, operating temperature, HMIS and model information.
- ▶ 16. Large, easy-to-scan bar coded model and UL serial numbers simplify inspection and maintenance record keeping.
- 17. ANSUL valve subassemblies are 100% tested for functionality before final assembly.
- 18. SENTRY extinguishers are vacuum-filled at the factory to precise filling tolerances.
- 19. Pressurized to 195 psi, and 100% leak tested utilizing mass spectrometry technology.
- 20. Injection molded nozzle tips are designed to tight specifications and maximize the extinguishment capabilities of the particular model and agent.
- 21. SENTRY extinguishers are shipped from the factory in individual recyclable corrugated cardboard cartons. Designed and field tested to help assure your extinguishers arrive undamaged and ready for operation. The glued one-piece cartons have carrying handles and a pressure gauge inspection port.
- 22. All SENTRY extinguisher cartons are properly labeled according to the latest DOT regulations for ease of shipping in the field.
- 23. ANSUL's dry chemical extinguishing agents are manufactured from the high quality raw materials and are carefully blended to meet stringent performance specifications. These agents are then tested to be free-flowing, water repellent and electrically nonconductive.
- 24. As a final quality control step, SENTRY extinguishers are randomly sampled for performance testing, which includes weight percent discharge and discharge times.

## AGENT

**FORAY®** – A monoammonium phosphate-based agent for use on Class A (wood, paper, cloth) and Class B (flammable liquids and gases) fires, and Class C (electrical) conductivity.

**Purple-K** – A potassium bicarbonate-based agent which is the most effective ANSUL agent for knock-down of Class B (flammable liquids and gases) fires, and Class C (electrical) conductivity.

**PLUS-FIFTY® C** – A sodium bicarbonate-based agent for use on Class B (flammable liquids and gases) fires and Class C (electrical) conductivity.

## ORDERING INFORMATION

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

**SPECIFICATIONS**

	SENTRY 2 1/2	SENTRY 5	SENTRY 10	SENTRY 20
<b>Dry Chemical Extinguishers</b>				
<b>Model</b>	A02/B	AA05/AA05/B	AA10S	AA20
<b>Extinguisher Part No.</b>	429101	429002/ 429103	429003	429006
<b>Bracket Part No.</b>	24610	429146	30865	30937
<b>Agent Capacity</b>	2 1/2 lb (1.13 kg) FORAY	5 lb (2.27 kg) FORAY	10 lb (4.54 kg) FORAY	20 lb (9.07 kg) FORAY
<b>UL Rating</b>	1-A:10-B-C	3-A:10-B-C	4-A:80-B-C	20-A:120-B-C
<b>Coast Guard Classification</b>	Type B, C, Size I	Type A, Size II Type B, C, Size I	Type A, Size II Type B, C, Size II	Type A, Size II Type B, C, Size III
<b>Discharge Time</b>	9 seconds	14 seconds	21 seconds	28 seconds
<b>Maximum Effective Range</b>	11 ft (3.4 m)	14 ft (4.3 m)	20 ft (6.1 m)	22 ft (6.7 m)
<b>Operating Temperature Range</b>	-40 °F to 120 °F (-40 °C to 49 °C)	-65 °F to 120 °F (-54 °C to 49 °C)	-40 °F to 120 °F (-40 °C to 49 °C)	-40 °F to 120 °F (-40 °C to 49 °C)
<b>Agent Flow Rate</b>	0.31 lb/sec (0.14 kg/sec)	0.38 lb/sec (0.17 kg/sec)	0.52 lb/sec (0.24 kg/sec)	0.76 lb/sec (0.34 kg/sec)
<b>Charged Weight (with agent)</b>	5 lb (2.27 kg)	9 lb, 14 oz (4.15 kg)	17 lb, 14 oz (8.13 kg)	32 lb, 2 oz (14.60 kg)
<b>Dimensions: Height</b>	14 1/4 in (362 mm)	17 in (432 mm)	18 1/2 in (470 mm)	22 1/2 in (572 mm)
<b>Width</b>	5 1/2 in (140 mm)	8 1/2 in (216 mm)	8 1/2 in (216 mm)	9 1/2 in (241 mm)
<b>Depth</b>	3 3/8 in (86 mm)	4 7/16 in (113 mm)	5 1/4 in (135 mm)	7 7/32 in (183 mm)
<b>Fire Suppression Capability* Operator: Novice Experienced</b>	10 sq ft 25 sq ft	40 sq ft 100 sq ft	60 sq ft 150 sq ft	80 sq ft 120 sq ft 300 sq ft

NOTE: VB denotes with vehicle bracket  
 \* Underwriters Laboratories classifies a "novice operator" as one who has little or no experience in operating a fire extinguisher  
 Listings: UL (All Models)  
 Approvals: DOT, USCG (All Models with proper bracket)  
 Hydrostatic Test Requirement: Once every 12 years (All Models)  
 Operating Pressure: 135 psi (13.4 bar)

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