

Model S-150-D and Model S-350-D Compact Stationary Fire Extinguishers

Application

ANSUL® Stationary Fire Extinguishers are manufactured to provide protection for hazardous areas where the potential for large fire exists. The extinguishers can be strategically located to provide maximum protection for a wide variety of hazards, including hazards in confined spaces, and require one trained person for operation.

All units are available with either FORAY or Purple K dry chemical. Each extinguisher can be floor-mounted to protect specific hazards, or truck-mounted for added mobility.

This stationary extinguisher is completely self-contained. An attached nitrogen cylinder is the only pressure source required to completely expel the fire suppressing agent. The pressure remaining in the tank after operation is sufficient for cleaning dry chemical from the discharge hose.

Typical Applications

- | | |
|---------------------------|----------------------------------|
| 150 lb units: | 350 lb units: |
| ■ Paint spray booths | ■ Offshore platforms |
| ■ Dip and quench tanks | ■ Loading racks |
| ■ Warehouse storage racks | ■ Fuel storage areas |
| ■ Electrical switch gears | ■ Heavy manufacturing operations |

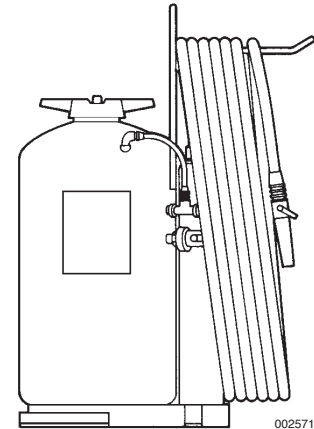
Description

ANSUL S-150-D and S-350-D Stationary Fire Extinguishers offer these features:

- Operates without a pressure regulator, reducing maintenance costs and producing a smooth agent flow.
- Features a corrosion-resistant package.
- Listed by Underwriters Laboratories.
- Pressurized by turning the nitrogen cylinder hand valve. An optional Quick-Opening valve is also available.
- Includes discharge nozzle with two-position ball valve for simple operation, and aluminum barrel which produces a solid, round agent stream. Available with optional long range nozzle for increased range and flow-rate; especially effective for gas and liquid pressure fires, and gravity fires as well as fires with obstacles.
- Includes a fill cap pressure indicator to determine at a glance if the extinguisher has been pressurized.
- Simple hose clean-out procedure saves time and chemical.

Specifications

Agent Tank – The extinguisher tank is of welded steel construction with two elliptical dished heads and welded circumferential seams. The tank is designed and constructed for a working pressure of 250 psi (17 bar). The top of the tank is fitted with a 4 in. (102 mm) ID (Inside Diameter) fill opening. The tank head has a brass bodied safety relief with bursting disc which will vent at approximately 425 psi (29.3 bar).



Nitrogen Cylinder and Valve – The nitrogen cylinder is mounted in a vertical position. Such mounting permits easy access to the cylinder. This cylinder is a 23 ft³ (0.7 m³) for the 150 lb units, and 55 ft³ (1.6 m³) for the 350 lb units, Medical "E" nitrogen cylinder.

Each cylinder is equipped with a conventional hand wheel nitrogen cylinder valve and visual pressure gauge. A quick-opening valve shall be available as an option. Both valves are UL listed.

Hoses, Valves and Nozzles – The S-150-D 150 lb extinguisher is equipped with a 3/4 in. (19 mm) ID x 50 ft (15 m) discharge hose* with cadmium-plated brass couplings. The nitrogen hose assembly is 3/8 in. (10 mm) ID with cadmium-plated brass couplings.

The nozzle consists of a two-position ball valve and barrel. The nozzle barrel shall be the converging-diverging aluminum type. The nozzle ball valve assembly is chrome-plated brass with a 3/4 in. (4.9 mm) ID opening.

The S-350-D 350 lb extinguisher is equipped with a 1 in. (25 mm) ID x 50 ft (15 m) discharge hose* with cadmium-plated brass couplings. The nitrogen hose assembly is 3/8 in. (10 mm) with cadmium-plated brass couplings.

The nozzle consists of a two-position ball valve and barrel. The nozzle barrel is the converging-diverging aluminum type. The nozzle ball valve assembly is chrome-plated brass with a 1 in. (25 mm) ID opening.

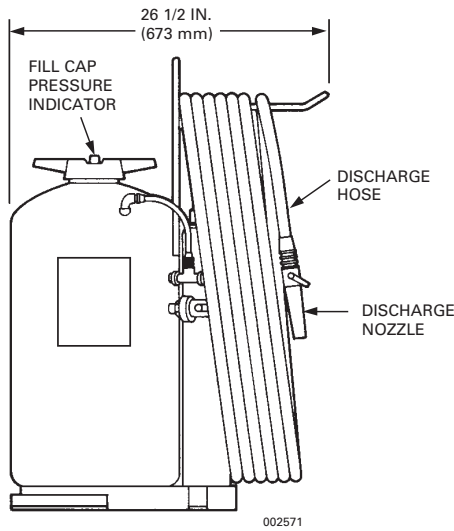
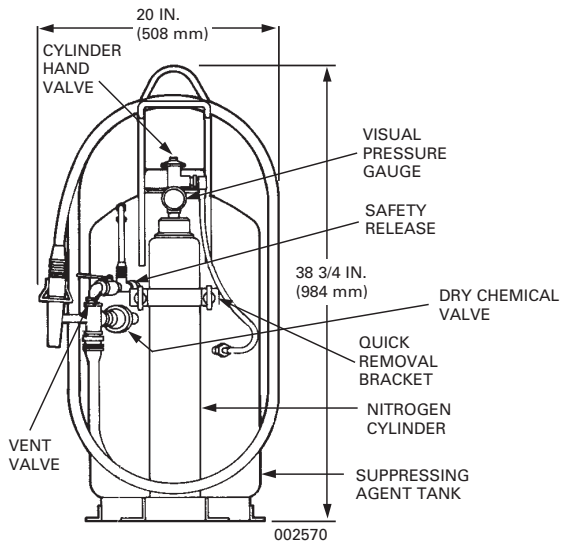
Two ball valve assemblies are provided for discharge hose clean-out procedures. Each ball valve handle requires 1/4 turn for valve operation.

Nameplates – The nameplate is glare-resistant etched aluminum, which contains hazard identification plus operating and maintenance instructions.

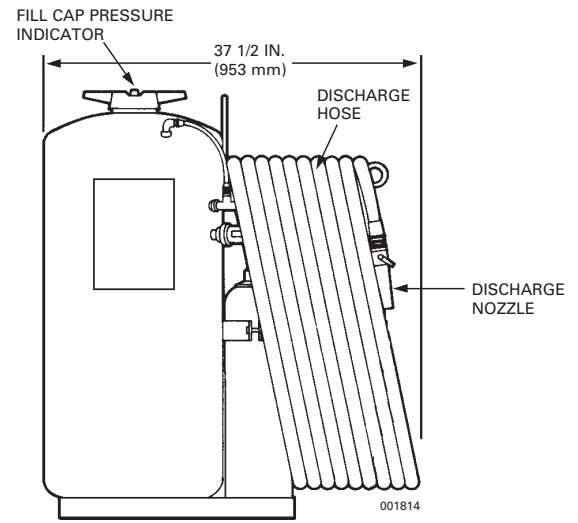
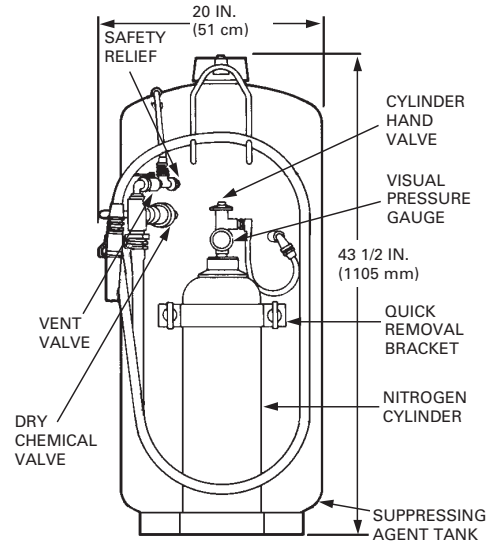
Finish – In addition to the standard surface preparation procedures, the steel parts are primed using a zinc rich primer with a minimum zinc content of 90%. The top coat is an epoxy paint applied as a liquid and oven or air cured. The dry film is continuous and a minimum thickness of 5-7 mills. The fill cap and nozzle body are black anodized for added corrosion resistance.

*Optional 100 ft (30.5 m) hose available.

150 lb Units



350 lb Units



Specifications

Part No.	Model*	Agent and Capacity	Finish	Nozzle	Flow Rate	Range	Effective Discharge Time	Shipping Weight
CR - 56503	S-CR-A-150-D	FORAY 125 lb (57 kg)	Epoxy	23/3	2.3 lb/sec (1 kg/sec)	25 ft (7.6 m)	52 sec	300 lb (136 kg)
CR - 56504	S-CR-K-150-D	Purple-K 125 lb (57 kg)	Epoxy	23/3	2.5 lb/sec (1.1 kg/sec)	25 ft (7.6 m)	46 sec	300 lb (136 kg)
CR - 56506	S-CR-LR-A-150-D	FORAY 125 lb (57 kg)	Epoxy	LR-36	3.8 lb/sec (1.7 kg/sec)	35 ft (10.7 m)	34 sec	300 lb (136 kg)
CR - 56507	S-CR-LR-K-150-D	Purple-K 125 lb (57 kg)	Epoxy	LR-36	4.1 lb/sec (1.8 kg/sec)	35 ft (10.7 m)	31 sec	300 lb (136 kg)
CR - 56514	S-CR-A-350-D	FORAY 300 lb (136 kg)	Epoxy	52	4.9 lb/sec (2.2 kg/sec)	30 ft (9.1 m)	63 sec	620 lb (281 kg)
CR - 56515	S-CR-K-350-D	Purple-K 300 lb (136 kg)	Epoxy	425	3.8 lb/sec (1.7 kg/sec)	40 ft (12.2 m)	78 sec	620 lb (281 kg)
CR - 56517	S-CR-LR-A-350-D	FORAY 300 lb (136 kg)	Epoxy	LR-44	6.3 lb/sec (2.9 kg/sec)	35 ft (10.7 m)	49 sec	620 lb (281 kg)
CR - 56518	S-CR-LR-K-350-D	Purple-K 300 lb (136 kg)	Epoxy	LR-44	7.0 lb/sec (3.2 kg/sec)	35 ft (10.7 m)	43 sec	620 lb (281 kg)

* All models shall be listed by Underwriters Laboratories.
CR = Corrosion Resistant

Safety Data Sheets (SDS) are available at www.ansul.com

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