

# RED LINE® WHEELED EXTINGUISHER MODELS 150-D, 350-D

Data/Specifications

ANSUL®

## FEATURES

- Listed by Underwriters Laboratories (UL), Factory Mutual (FM) and USCG approved.
- Three Ansul dry chemical extinguishing agents available: PLUS-FIFTY® C, FORAY® or Purple-K.
- No pressure regulator required, reducing maintenance costs and producing smooth agent flow.
- Easy pressurization by turning the nitrogen cylinder hand valve.
- Simple operation provided by discharge nozzle with two-position ball valve.
- Aluminum nozzle barrel provides a solid, round agent stream.
- Standard fill cap indicates when unit is pressurized.
- Options: long range nozzle, quick-opening nitrogen cylinder valve, wide wheels, rubber coated tire and 100 ft. (30 m) hose.
- ▶ ■ Six-year limited warranty.

## APPLICATION

RED LINE® Wheeled Fire Extinguishers are manufactured to provide protection for hazardous areas where the potential for large fire exists. They can be strategically located to provide maximum protection for a wide variety of hazards, while taking up a minimum of space, and requiring only one trained person for operation.

These extinguishers are available with three types of Ansul dry chemical extinguishing agents giving them the versatility to protect many types of fire hazards.

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

Some typical applications include paint spray booths, dip and quench tanks, offshore platforms, loading racks, fuel storage areas, airports, and heavy manufacturing operations.

## SPECIFICATIONS

**Agent Tank** – The extinguisher tank shall be of welded steel construction with two elliptical dished heads and welded circumferential seams. The tank shall be designed and constructed for a working pressure of 250 psi (17.2 bar). The top of the tank shall be fitted with a 4 in. (10 cm) I.D. fill opening. The tank head shall have 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 shall be mounted in a vertical position. Such mounting shall permit easy access to the cylinder. This cylinder shall be a 23 cu. ft. (.65 m<sup>3</sup>) for the 150-D and a 55 cu. ft. (1.55 m<sup>3</sup>) for the 350-D. Both shall be Medical “E” nitrogen cylinders.

Each cylinder shall be 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 shall be UL listed.

RED LINE® CR-I-A-150-D



005540

RED LINE® CR-WW-I-K-350-D



005769

RED LINE® CR-RT-I-K-350-D



006447

**Hoses, Valves and Nozzles** – The extinguisher shall be equipped with cadmium-plated brass couplings. The nitrogen hose assembly shall be 3/8 in. (10 mm) I.D. with zinc-plated brass couplings.

The nozzle shall consist of a two-position ball valve and barrel. The nozzle barrel shall be the converging-diverging aluminum type. The nozzle ball valve assembly shall be chrome-plated brass.

**Nameplates** – The nameplate shall be glare-resistant etched aluminum. It shall contain hazard identification plus operating and maintenance instructions.

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

- ▶ **Temperature** – Standard models are equipped with nitrogen cylinders which are listed and approved for operation in environments with temperatures between –40 °F (–40 °C) to 120 °F (48.8 °C).



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Model No.	CR-I-150-D	CR-LR-I-150-D(1)	CR-I-K-150-D	CR-LR-I-K-150-D(1)	CR-I-A-150-D	CR-I-350-D	CR-LR-I-350-D(1)	CR-I-K-350-D	CR-LR-I-K-350-D(1)	CR-I-A-350-D
Part No.	53868	53355	53874	53357	53876	53879	54133	53887	54134	53891
Capacity/Agent	150 lb. (68.0 kg)/ PLUS-FIFTY C	150 lb. (68.0 kg)/ PLUS-FIFTY C	125 lb. (56.7 kg)/ Purple-K	125 lb. (56.7 kg)/ Purple-K	125 lb. (56.7 kg)/ FORAY	350 lb. (159 kg)/ PLUS-FIFTY C	350 lb. (159 kg)/ PLUS-FIFTY C	300 lb. (136.4 kg)/ Purple-K	300 lb. (136.4 kg)/ Purple-K	300 lb. (136.4 kg)/ FORAY
U.L. Rating	240-B:C	80-B:C	320-B:C	80-B:C	40-A-240-B:C	320-B:C	120-B:C	640-B:C	160-B:C	40-A-320-B:C
Fire Suppression Capability	240 sq. ft. (22.3 m <sup>2</sup> )	80 sq. ft. (7.4 m <sup>2</sup> )	320 sq. ft. (29.7 m <sup>2</sup> )	80 sq. ft. (7.4 m <sup>2</sup> )	240 sq. ft. (22.3 m <sup>2</sup> )	320 sq. ft. (29.7 m <sup>2</sup> )	120 sq. ft. (11.1 m <sup>2</sup> )	640 sq. ft. (59.5 m <sup>2</sup> )	160 sq. ft. (14.9 m <sup>2</sup> )	320 sq. ft. (29.7 m <sup>2</sup> )
Novice Operator										
Experienced Operator	600 sq. ft. (55.7 m <sup>2</sup> )	200 sq. ft. (18.6 m <sup>2</sup> )	800 sq. ft. (74.3 m <sup>2</sup> )	200 sq. ft. (18.6 m <sup>2</sup> )	600 sq. ft. (55.7 m <sup>2</sup> )	800 sq. ft. (74.3 m <sup>2</sup> )	300 sq. ft. (27.9 m <sup>2</sup> )	1600 sq. ft. (148.6 m <sup>2</sup> )	400 sq. ft. (37.2 m <sup>2</sup> )	800 sq. ft. (74.3 m <sup>2</sup> )
Standard Hose	3/4 in. x 50 ft. (15 m)	3/4 in. x 50 ft. (15 m)	3/4 in. x 50 ft. (15 m)	3/4 in. x 50 ft. (15 m)	3/4 in. x 50 ft. (15 m)	1 in. x 50 ft. (15 m)	1 in. x 50 ft. (15 m)	1 in. x 50 ft. (15 m)	1 in. x 50 ft. (15 m)	1 in. x 50 ft. (15 m)
Discharge Time	47 sec.	42 sec.	51 sec.	39 sec.	45 sec.	59 sec.	42 sec.	80 sec.	38 sec.	52 sec.
Effective Range	25 ft. (7.6 m)	35 ft. (10.7 m)	35 ft. (10.7 m)	35 ft. (10.7 m)	25 ft. (7.6 m)	30 ft. (9.1 m)	40 ft. (12.2 m)	40 ft. (12.2 m)	40 ft. (12.2 m)	30 ft. (9.1 m)
Agent Flow Rate	2.9 lb./sec 1.31 kg/sec.	4.1 lb./sec. (1.86 kg./sec)	2.6 lb./sec (1.17 kg/sec.)	3.96 lb./sec (1.8 kg/sec.)	2.7 lb./sec (1.22 kg/sec.)	6 lb./sec. (2.72 kg/sec.)	8 lb./sec. (3.64 kg/sec.)	3.8 lb./sec (1.72 kg/sec.)	8 lb./sec. (3.64 kg./sec.)	5.7 lb./sec (2.58 kg/sec.)
Charged Weight (with agent)	354 lb. (160.6 kg)	354 lb. (160.6 kg)	329 lb. (149.2 kg)	329 lb. (149.2 kg)	329 lb. (149.2 kg)	740 lb. (335.7 kg)	740 lb. (335.7 kg)	690 lb. (313.0 kg)	690 lb. (313.0 kg)	690 lb. (313.0 kg)
Shipping Weight	354 lb. (160.6 kg)	354 lb. (160.6 kg)	329 lb. (149.2 kg)	329 lb. (149.2 kg)	329 lb. (149.2 kg)	740 lb. (335.7 kg)	740 lb. (335.7 kg)	690 lb. (313.0 kg)	690 lb. (313.0 kg)	690 lb. (313.0 kg)
Dimensions (H)	45.5 in. (116 cm)	45.5 in. (116 cm)	45.5 in. (116 cm)	45.5 in. (116 cm)	45.5 in. (116 cm)	57 in. (145 cm)	57 in. (145 cm)	57 in. (145 cm)	57 in. (145 cm)	57 in. (145 cm)
(W)	24 in. (61 cm)	24 in. (61 cm)	24 in. (61 cm)	24 in. (61 cm)	24 in. (61 cm)	34 in. (86 cm)	34 in. (86 cm)	34 in. (86 cm)	34 in. (86 cm)	34 in. (86 cm)
(D)	36 in. (91 cm)	36 in. (91 cm)	36 in. (91 cm)	36 in. (91 cm)	36 in. (91 cm)	47 in. (119 cm)	47 in. (119 cm)	47 in. (119 cm)	47 in. (119 cm)	47 in. (119 cm)
Options:										
Hose	3/4 in. x 100 ft. (30 m) (2)	3/4 in. x 100 ft. (30 m)	3/4 in. x 100 ft. (30 m)	3/4 in. x 100 ft. (30 m)	3/4 in. x 100 ft. (30 m) (3)	1 in. x 100 ft. (30 m)	1 in. x 100 ft. (30 m)	1 in. x 100 ft. (30 m)	1 in. x 100 ft. (30 m)	1 in. x 100 ft. (30 m)
Quick-Opening Valve	X	X	X	X	X	X	X	X	X	X
Tow Bar Package	N/A	N/A	N/A	Part No. 405263	N/A	N/A	N/A	N/A	N/A	N/A
Wide Wheels	N/A	N/A	N/A	N/A	N/A	STANDARD	STANDARD	STANDARD	STANDARD	STANDARD
Rubber Tire	STANDARD	STANDARD	STANDARD	STANDARD	STANDARD	N/A	CR-RT-LR-I-350-D Part No. 545217 specs same as above plus rubber tire	CR-RT-I-K-350-D Part No. 54521 specs same as above plus rubber tire	STANDARD	CR-RT-LR-I-K-350-D Part No. 54529 specs same as above plus rubber tire
Listings/Approvals	ULI, FM, USCG	ULI, FM, USCG	ULI, FM, USCG	ULI, FM, USCG	ULI, FM, USCG	ULI, FM, USCG	ULI, FM, USCG	ULI, FM, USCG	ULI, FM, USCG	ULI, FM, USCG

NOTE: 1: Long range nozzles are specifically designed to fight pressure fires (flammable liquids or gases under pressure)  
2: Reduces UL rating to 160-B:C  
3: Reduces UL rating to 40-A: 160-B:C

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<b>ABBREVIATIONS</b>		
A	FORAY Agent	LR Long Range
CR	Corrosion Resistant	RT Rubber Tire
I	Indicator Fill Cap	VW Wide Wheel
K	Purple-K Agent	