



A Tyco International Company

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

Data/Specifications

## FEATURES

- Listed by Underwriters Laboratories (UL), Underwriters Laboratories of Canada (ULC).
- 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, low temperature models, 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 exists for large fires. 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.

## DESCRIPTION

**Agent Tank** – The extinguisher tank is manufactured 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 (17.2 bar). The top of the tank is fitted with a 4 in. (10 cm) ID 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 and permits easy access. Volumes are 23 cu ft (0.65 m<sup>3</sup>) for the 150-D and 55 cu ft (1.55 m<sup>3</sup>) for the 350-D. Both sizes are Medical “E” nitrogen cylinders.

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

RED LINE CR-I-A-150-D-1



005540

RED LINE CR-WW-I-K-350-D-1



005769

RED LINE CR-RT-I-K-350-D



006447

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

The nozzle consists of a two-position ball valve and barrel. The nozzle barrel is a converging-diverging aluminum type. The nozzle ball valve assembly is chrome-plated brass.

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

**Finish** – In addition to the standard surface preparation procedures, the steel parts are primed using a corrosion resistant epoxy primer. The top coat is a polyester epoxy paint applied as a liquid and oven or air cured. The dry film is continuous and a minimum thickness of 5-7 mils. The fill cap and nozzle body are 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 to 120 °F (-40 °C to 48.8 °C).

**Low Temperature** – LT models: -65 °F to 120 °F (-54 °C to 48.8 °C).

<b>Model No. Part No. (UL)</b>	<b>CR-I-150-D</b> 53868	<b>CR-LR-I-150-D<sup>[1]</sup></b> 55355	<b>CR-I-K-150-D</b> 53874	<b>CR-LR-I-K-150-D<sup>[1]</sup></b> 55357	<b>CR-I-A-150-D-1</b> 435050
<b>Model No. Part No. (ULC)</b>	<b>CR-I-150-D-1</b> 435318	— —	<b>CR-I-K-150-D-1</b> 435332	— —	<b>CR-I-A-150-D-1</b> 435052
<b>Capacity/Agent</b>	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
<b>UL/ULC Rating</b>	240-B:C	80-B:C	320-B:C	80-B:C	30-A:240-B:C
<b>Fire Suppression Capability<sup>[2]</sup></b>					
<b>Novice Operator</b>	240 ft <sup>2</sup> (22.3 m <sup>2</sup> )	80 ft <sup>2</sup> (7.4 m <sup>2</sup> )	320 ft <sup>2</sup> (29.7 m <sup>2</sup> )	80 ft <sup>2</sup> (7.4 m <sup>2</sup> )	240 ft <sup>2</sup> (22.3 m <sup>2</sup> )
<b>Experienced Operator</b>	600 ft <sup>2</sup> (55.7 m <sup>2</sup> )	200 ft <sup>2</sup> (18.6 m <sup>2</sup> )	800 ft <sup>2</sup> (74.3 m <sup>2</sup> )	200 ft <sup>2</sup> (18.6 m <sup>2</sup> )	600 ft <sup>2</sup> (55.7 m <sup>2</sup> )
<b>Standard Hose</b>	3/4 in. x 50 ft (19 mm x 15 m)	3/4 in. x 50 ft (19 mm x 15 m)	3/4 in. x 50 ft (19 mm x 15 m)	3/4 in. x 50 ft (19 mm x 15 m)	3/4 in. x 50 ft (19 mm x 15 m)
<b>Discharge Time</b>	47 sec	42 sec	48 sec	39 sec	49 sec
<b>Effective Range</b>	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)
<b>Agent Flow Rate</b>	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)	2.57 lb/sec (1.17 kg/sec)
<b>Charged Weight (with agent) and Shipping Weight</b>	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)
<b>Dimensions (H)</b>	45.5 in. (1156 mm)	45.5 in. (1156 mm)	45.5 in. (1156 mm)	45.5 in. (1156 mm)	45.5 in. (1156 mm)
<b>(W)</b>	24 in. (610 mm)	24 in. (610 mm)	24 in. (610 mm)	24 in. (610 mm)	24 in. (610 mm)
<b>(D)</b>	36 in. (914 mm)	36 in. (914 mm)	36 in. (914 mm)	36 in. (914 mm)	36 in. (914 mm)
<b>Options:</b>					
<b>Hose</b>	N/A	3/4 in. x 100 ft (19 mm x 15 m)	3/4 in. x 100 ft (19 mm x 15 m)	3/4 in. x 100 ft (19 mm x 15 m)	N/A
<b>Quick-Opening Valve</b>		X	X	X	X
<b>Wide Wheels</b>	N/A	N/A	N/A	N/A	N/A
<b>Rubber Tire<sup>[3]</sup></b>	STANDARD	STANDARD	STANDARD	STANDARD	STANDARD
<b>Listings/ Approvals</b>	UL/ULC, FM, USCG	UL, FM, USCG	UL/ULC, FM, USCG	UL, FM, USCG	UL/ULC, FM, USCG

#### ABBREVIATIONS

A	FORAY Agent	LR	Long Range
CR	Corrosion Resistant	LT	Low Temperature
I	Indicator Fill Cap	RT	Rubber Tire
K	Purple-K Agent	WW	Wide Wheel

- Note:** <sup>[1]</sup> Long range nozzles are specifically designed to fight pressure fires (flammable liquids or gases under pressure)
- <sup>[2]</sup> Underwriters Laboratories (UL and ULC) classifies a "notice operator" as one who has little or no experience in operating a fire extinguisher
- <sup>[3]</sup> Not available for ULC

	<b>CR-I-350-D</b> 53879	<b>CR-LR-I-350-D<sup>[1]</sup></b> 54133	<b>CR-I-K-350-D</b> 53887	<b>CR-LR-I-K-350-D<sup>[1]</sup></b> 54134	<b>CR-I-A-350-D-1</b> 435056
	<b>CR-I-350-D-1</b> 435320	— —	<b>CR-I-K-350-D-1</b> 435336	— —	<b>CR-I-A-350-D-1</b> 435058
	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
	320-B:C	120-B:C	640-B:C	160-B:C	40-A:320-B:C
	320 ft <sup>2</sup> (29.7 m <sup>2</sup> ) 800 ft <sup>2</sup> (74.3 m <sup>2</sup> )	120 ft <sup>2</sup> (11.1 m <sup>2</sup> ) 300 ft <sup>2</sup> (27.9 m <sup>2</sup> )	640 ft <sup>2</sup> (59.5 m <sup>2</sup> ) 1600 ft <sup>2</sup> (148.6 m <sup>2</sup> )	160 ft <sup>2</sup> (14.9 m <sup>2</sup> ) 400 ft <sup>2</sup> (37.2 m <sup>2</sup> )	320 ft <sup>2</sup> (29.7 m <sup>2</sup> ) 800 ft <sup>2</sup> (74.3 m <sup>2</sup> )
	1 in. x 50 ft (25 mm x 15 m)	1 in. x 50 ft (25 mm x 15 m)	1 in. x 50 ft (25 mm x 15 m)	1 in. x 50 ft (25 mm x 15 m)	1 in. x 50 ft (25 mm x 15 m)
	59 sec	42 sec	80 sec	38 sec	56 sec
	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)
	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)	5.3 lb/sec (2.4 kg/sec)
	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)
	57 in. (1448 mm) 34 in. (864 mm) 47 in. (1194 mm)	57 in. (1448 mm) 34 in. (864 mm) 47 in. (1194 mm)	57 in. (1448 mm) 34 in. (864 mm) 47 in. (1194 mm)	57 in. (1448 mm) 34 in. (864 mm) 47 in. (1194 mm)	57 in. (1448 mm) 34 in. (864 mm) 47 in. (1194 mm)
	1 in. x 100 ft (25 mm x 15 m)	1 in. x 100 ft (25 mm x 15 m)	1 in. x 100 ft (25 mm x 15 m)	1 in. x 100 ft (25 mm x 15 m)	1 in. x 100 ft (25 mm x 15 m)
	X	X	X	X	X X
	STANDARD	STANDARD	STANDARD	STANDARD	STANDARD
	N/A	CR-LR-RT-I-350-D Part No. 54527 specs same as above plus rubber tire	CR-RT-I-K-350-D Part No. 54521 specs same as above plus rubber tire	CR-LR-RT-I-K-350-D Part No. 54529 specs same as above plus rubber tire	N/A
	UL/ULC, FM, USCG	UL, FM, USCG	UL/ULC, FM, USCG	UL, FM, USCG	UL/ULC, FM, USCG

**Low Temperature Models (ULC)**

Model No. Part No. (ULC)	CR-LT-I-K-150-D-1 435334	CR-LT-1-A-150-D-1 435054	CR-LT-I-K-350-D-1 435338	CR-LT-I-A-350-D-1 435060
Capacity/Agent	125 lb (56.7 kg)/ Purple-K	125 lb (56.7 kg)/ FORAY	300 lb (136.4 kg)/ Purple-K	300 lb (136.4 kg)/ FORAY
UL/ULC Rating	320-B:C	30-A:240-B:C	640-B:C	40-A:320-B:C
Fire Suppression Capability <sup>[2]</sup>				
Novice Operator	320 ft <sup>2</sup> (29.7 m <sup>2</sup> )	240 ft <sup>2</sup> (22.3 m <sup>2</sup> )	640 ft <sup>2</sup> (59.5 m <sup>2</sup> )	240 ft <sup>2</sup> (22.3 m <sup>2</sup> )
Experienced Operator	800 ft <sup>2</sup> (74.3 m <sup>2</sup> )	600 ft <sup>2</sup> (55.7 m <sup>2</sup> )	1600 ft <sup>2</sup> (148.6 m <sup>2</sup> )	600 ft <sup>2</sup> (55.7 m <sup>2</sup> )
Standard Hose	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)
Discharge Time	51 sec	49 sec	80 sec	56 sec
Effective Range	35 ft (10.7 m)	25 ft (7.6 m)	40 ft (12.2 m)	30 ft (9.1 m)
Agent Flow Rate	2.6 lb/sec (1.17 kg/sec)	2.57 lb/sec (1.17 kg/sec)	3.8 lb/sec (1.72 kg/sec)	5.3 lb/sec (2.4 kg/sec)
Charged Weight (with agent) and Shipping Weight	329 lb (149.2 kg)	329 lb (149.2 kg)	690 lb (313.0 kg)	690 lb (313.0 kg)
Dimensions (H)	45.5 in. (1156 mm)	45.5 in. (1156 mm)	57 in. (1448 mm)	57 in. (1448 mm)
(W)	24 in. (610 mm)	24 in. (610 mm)	34 in. (864 mm)	34 in. (864 mm)
(D)	36 in. (914 mm)	36 in. (914 mm)	47 in. (1194 mm)	47 in. (1194 mm)
Options:				
Hose	3/4 in. x 100 ft (19 mm x 30 m)	N/A	1 in. x 100 ft (19 mm x 30 m)	1 in. x 100 ft (19 mm x 30 m)
Quick-Opening Valve	X	X	X	X
Wide Wheels	N/A	N/A	N/A	N/A
Rubber Tire <sup>[3]</sup>	N/A	N/A	N/A	N/A
Listings/ Approvals	ULC	ULC	ULC	ULC

**ABBREVIATIONS**

A	FORAY Agent	LR	Long Range
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- Note:** <sup>[1]</sup> Long range nozzles are specifically designed to fight pressure fires (flammable liquids or gases under pressure)  
<sup>[2]</sup> Underwriters Laboratories (UL and ULC) classifies a "notice operator" as one who has little or no experience in operating a fire extinguisher  
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