



A Tyco International Company

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

Data/Specifications

## FEATURES

- Listed by Underwriters Laboratories, Inc./Underwriters Laboratories of Canada (UL/ULC).
- Factory Mutual (FM) and USCG approved.
- Three ANSUL dry chemical extinguishing agents available: PLUS-FIFTY C, FORAY or Purple-K.
- MET-L-KYL dry chemical unit is available for hazards with Class B metal-organic compounds (pyrophoric liquids).
- Two dry powder (MET-L-X and LITH-X) units are available for Class D hazards.
- 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 tires (some models).
- 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 up to four types of ANSUL dry chemical extinguishing agents giving them the versatility to protect many types of fire hazards.

The 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 (Inside Diameter) fill opening.

**Nitrogen Cylinder and Valve** – The nitrogen cylinder is mounted in a vertical position and permits easy access. Volumes are 110 ft<sup>3</sup> (3.11 m<sup>3</sup>) for the 150-C and 220 ft<sup>3</sup> (6.23 m<sup>3</sup>) for the 350-C. 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.

**Hoses and Nozzles** – The discharge hose is UL/ULC listed, equipped with chrome plated brass couplings and 3/4 to 1 in. (2 to 2.5 cm) ID. The pin prick outside cover permits diffusion of gases.

The nozzle consists of a two-position ball valve and barrel. The nozzle barrel has a three-hole cone tip. The nozzle ball valve assembly is chrome-plated brass.

### RED LINE CR-I-K-150-C



006501

### RED LINE CR-I-K-350-C



006502

**Nameplates** – The nameplate is glare-resistant etched aluminum with a varnish coating to provide durability, readability and corrosion resistance. Hazard identification plus operating and maintenance instructions are included on the nameplate.

**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).

Model No. Part No. <sup>1</sup>	CR-I-150-C 31007	CR-I-A-150-C-1 435040	CR-I-K-150-C 31500	CR-LR-I-K-150-C 22520	CR-I-LX-150-C 417268	CR-MX-150-C 417269	CR-I-ML-150-C 417270
Model No. Part No. <sup>2</sup>	—	—	CR-I-K-150-C-1 435326	CR-LR-I-K-150-C 427788	—	—	—
Capacity/Agent	150 lb (68.0 kg)/ PLUS-FIFTY C	125 lb (56.7 kg)/ FORAY	125 lb (56.7 kg)/ Purple-K	125 lb (56.7 kg)/ Purple-K	135 lb (61.2 kg)/ LITH-X	150 lb (68.0 kg)/ MET-L-X	150 lb (68.0 kg)/ MET-L-KYL
UL/ULC Rating	160-B:C	30-A:160-B:C	320-B:C	80-B:C	Not UL Listed	Refer to extinguisher nameplate.	Not UL Listed
Fire Suppression Capability <sup>3</sup>					These extinguishers are designed to protect specific hazards – contact your authorized ANSUL distributor for complete details.		
Novice Operator	160 ft <sup>2</sup> (14.9 m <sup>2</sup> )	160 ft <sup>2</sup> (14.9 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> )			
Experienced Operator	400 ft <sup>2</sup> (37.1 m <sup>2</sup> )	400 ft <sup>2</sup> (37.1 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> )	Class D	Class D	Class B
Standard Hose	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)	3/4 in. x 50 ft (19 mm x 15 m)	3/4 in. x 50 ft (19 mm x 15 m)
Discharge Time	42 sec	39 sec	51 sec	32 sec	N/A	65 sec	N/A
Effective Range	25 ft (7.6 m)	25 ft (7.6 m)	25 ft (7.6 m)	35 ft (10.7 m)	20 ft (6.1 m)	14 ft (4.3 m)	25 ft (7.6 m)
Agent Flow Rate	3.5 lb/sec (1.6 kg/sec)	3.5 lb/sec (1.6 kg/sec)	2.1 lb/sec (1 kg/sec)	4.4 lb/sec (2 kg/sec)	N/A	2.25 lb/sec (1 kg/sec)	N/A
Charged Weight (with agent)	468 lb (212 kg)	443 lb (201 kg)	443 lb (201 kg)	443 lb (201 kg)	453 lb (205 kg)	468 lb (212 kg)	468 lb (212 kg)
Shipping Weight	480 lb (218 kg)	483 lb (219 kg)	453 lb (205 kg)	453 lb (205 kg)	453 lb (205 kg)	496 lb (225 kg)	496 lb (225 kg)
Dimensions:							
(H)	52 in. (1321 mm)	52 in. (1321 mm)	52 in. (1321 mm)	52 in. (1321 mm)	52 in. (1321 mm)	52 in. (1321 mm)	52 in. (1321 mm)
(W)	29 in. (737 mm)	29 in. (737 mm)	29 in. (737 mm)	29 in. (737 mm)	29 in. (737 mm)	29 in. (737 mm)	29 in. (737 mm)
(D)	42 in. (1067 mm)	42 in. (1067 mm)	42 in. (1067 mm)	42 in. (1067 mm)	42 in. (1067 mm)	42 in. (1067 mm)	42 in. (1067 mm)
Options:							
Quick-Opening Valve	X	X	X	X	X	X	X
Wide Wheels	X	X	CR-WW-I-K-150-C Part No. 32701. Specs same as above except wide wheels.	CR-WW-I-LR-K-150-C Part No. 31009. Specs same as above except wide wheels.	X	X	X
Rubber Tire	X	X	CR-RT-I-K-150-C Part No. 31504. Specs same as above except rubber tires.	X	X	X	X
Listings/Approvals	UL, FM, USCG	UL, FM, USCG	UL, ULC, FM, USCG	UL, ULC, FM, USCG	N/A	UL, FM, USCG	N/A

#### ABBREVIATIONS

A	FORAY Agent	LR	Long Range	RT	Rubber Tire
CR	Corrosion Resistant	LX	LITH-X	WW	Wide Wheel
I	Indicator Fill Cap	ML	MET-L-KYL		
K	Purple-K Agent	MX	MET-L-X		

1. UL Listed. English/Spanish nameplates.

2. ULC Listed. English/Canadian French nameplates.

3. Underwriters Laboratories (UL and ULC) classifies a “novice operator” as one who has little or no experience in operating a fire extinguisher.

	<b>CR-I-350-C</b> 31010	<b>CR-LR-I-350-C</b> 417272	<b>CR-I-A-350-C-1</b> 435046	<b>CR-I-K-350-C</b> 31541	<b>CR-LR-I-K-350-C</b> 32972	<b>CR-I-LX-350-C</b> 417277	<b>CR-MX-350-C</b> 417274	<b>CR-I-ML-350-C</b> 417276
	<b>CR-I-350-C</b> 427794	—	—	<b>CR-I-K-350-C-1</b> 435328	—	—	—	—
	350 lb (159 kg)/ PLUS-FIFTY C	350 lb (159 kg)/ PLUS-FIFTY C	300 lb (136 kg)/ FORAY	300 lb (136 kg)/ PURPLE-K	300 lb (136 kg)/ PURPLE-K	315 lb (143 kg)/ LITH-X	350 lb (159 kg)/ MET-L-X	350 lb (159 kg)/ MET-L-KYL
	240-B:C	120-B:C	40-A:240-B:C	480-B:C	160-B:C	Not UL Listed	Refer to extinguisher nameplate.	Not UL Listed
	240 ft <sup>2</sup> (22.3 m <sup>2</sup> )	120 ft <sup>2</sup> (11.1 m <sup>2</sup> )	240 ft <sup>2</sup> (22.3 m <sup>2</sup> )	480 ft <sup>2</sup> (44.6 m <sup>2</sup> )	160 ft <sup>2</sup> (14.9 m <sup>2</sup> )	These extinguishers are designed to protect specific specific hazards – contact your authorized ANSUL distributor for complete details.		
	600 ft <sup>2</sup> (55.7 m <sup>2</sup> )	300 ft <sup>2</sup> (27.9 m <sup>2</sup> )	600 ft <sup>2</sup> (55.7 m <sup>2</sup> )	1200 ft <sup>2</sup> (111.5 m <sup>2</sup> )	400 ft <sup>2</sup> (37.1 m <sup>2</sup> )	Class D	Class D	Class B
	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)	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)
	40 sec	55 sec	46 sec	67 sec	47 sec	N/A	145 sec	N/A
	30 ft (9.1 m)	40 ft (12.2 m)	30 ft (9.1 m)	30 ft (9.1 m)	40 ft (12.2 m)	25 ft (7.6 m)	14 ft (4.3 m)	30 ft (9.1 m)
	7.8 lb/sec (3.6 kg/sec)	7.3 lb/sec (3.3 kg/sec)	6.5 lb/sec (2.9 kg/sec)	4.9 lb/sec (2.2 kg/sec)	7.2 lb/sec (3.3 kg/sec)	N/A	2.1 lb/sec (1.0 kg/sec)	N/A
	948 lb (430 kg)	948 lb (430 kg)	898 lb (407 kg)	898 lb (407 kg)	898 lb (407 kg)	913 lb (414 kg)	948 lb (430 kg)	948 lb (430 kg)
	972 lb (442 kg)	972 lb (442 kg)	922 lb (419 kg)	922 lb (419 kg)	922 lb (419 kg)	937 lb (426 kg)	972 lb (442 kg)	972 lb (442 kg)
	60 in. (1524 mm) 35.5 in. (902 mm) 46.5 in. (1181 mm)	60 in. (1524 mm) 35.5 in. (902 mm) 46.5 in. (1181 mm)	60 in. (1524 mm) 35.5 in. (902 mm) 46.5 in. (1181 mm)	60 in. (1524 mm) 35.5 in. (902 mm) 46.5 in. (1181 mm)	60 in. (1524 mm) 35.5 in. (902 mm) 46.5 in. (1181 mm)	60 in. (1524 mm) 35.5 in. (902 mm) 46.5 in. (1181 mm)	60 in. (1524 mm) 35.5 in. (902 mm) 46.5 in. (1181 mm)	60 in. (1524 mm) 35.5 in. (902 mm) 46.5 in. (1181 mm)
	X	X	X	X	X	X	X	X
	STANDARD	STANDARD	STANDARD	STANDARD	STANDARD	X	X	X
	N/A	N/A	N/A	N/A	N/A	X	X	X
	UL, ULC, FM, USCG	UL, FM, USCG	UL, ULC, FM, USCG	UL, ULC, FM, USCG	UL, FM, USCG	N/A	UL, FM, USCG	N/A

## Low Temperature Models (ULC)

Model No.	CR-LT-I-A-150-C-1	CR-LT-I-K-150-C	CR-LT-I-A-350-C-1	CR-LT-I-K-350-C-1
Part No. (ULC)	435044	435324	435048	435330
Capacity/Agent	125 lb (56.7 kg)/ FORAY	125 lb (56.7 kg)/ Purple-K	300 lb (136 kg)/ FORAY	300 lb (136 kg)/ Purple-K
UL/ULC	30-A:160-B:C	320-B:C	40-A:240-B:C	40-A:240-B:C
Fire Suppression Capability <sup>1</sup>				
Novice Operator	160 ft <sup>2</sup> (14.9 m <sup>2</sup> )	320 ft <sup>2</sup> (29.7 m <sup>2</sup> )	240 ft <sup>2</sup> (22.3 m <sup>2</sup> )	240 ft <sup>2</sup> (22.3 m <sup>2</sup> )
Experienced Operator	400 ft <sup>2</sup> (37.1 m <sup>2</sup> )	800 ft <sup>2</sup> (74.3 m <sup>2</sup> )	600 ft <sup>2</sup> (55.7 m <sup>2</sup> )	600 ft <sup>2</sup> (55.7 m <sup>2</sup> )
Standard Hose	3/4 in. x 50 ft (19 mm x 15 m)	3/4 in. x 50 ft (19 mm x 15 m)	1 in. x 50 ft (25 mm x 15 m)	1 in. x 50 ft (25 mm x 15 m)
Discharge Time	39 sec	51 sec	46 sec	67 sec
Effective Range	25 ft (7.6 m)	25 ft (7.6 m)	30 ft (9.1 m)	30 ft (9.1 m)
Agent Flow Rate	3.5 lb/sec (1.6 kg/sec)	2.1 lb/sec (1 kg/sec)	6.5 lb/sec (2.9 kg/sec)	4.9 lb/sec (2.2 kg/sec)
Charged Weight (with agent)	443 lb (201 kg)	443 lb (201 kg)	898 lb (407 kg)	898 lb (407 kg)
Shipping Weight	483 lb (219 kg)	453 lb (205 kg)	922 lb (419 kg)	922 lb (419 kg)
Dimensions:				
(H)	52 in. (1321 mm)	52 in. (1321 mm)	60 in. (1524 mm)	60 in. (1524 mm)
(W)	29 in. (737 mm)	29 in. (737 mm)	35.5 in. (902 mm)	35.5 in. (902 mm)
(D)	42 in. (1067 mm)	42 in. (1067 mm)	46.5 in. (1181 mm)	46.5 in. (1181 mm)
Options:				
Quick-Opening Valve	X	X	X	X
Wide Wheels	X	X	STANDARD	STANDARD
Rubber Tire	X	CR-RT-LT-I-K-150-C-1 (ULC) Part No. 435322 specs same as above except rubber tires.	N/A	N/A
Listings/Approvals	ULC	ULC	ULC	ULC

### ABBREVIATIONS

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

1. Underwriters Laboratories (UL and ULC) classifies a “novice operator” as one who has little or no experience in operating a fire extinguisher.