

CANADIAN RED LINE® WHEELED EXTINGUISHER MODELS 150-C, 350-C

Data/Specifications

ANSUL®

FEATURES

- Listed by Underwriters' Laboratories of Canada (ULC).
- ▶ ■ FORAY® or Purple-K dry chemical extinguishing agents.
- 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: quick-opening nitrogen cylinder valve, wide wheels, 30 m (100 ft) hose and rubber coated tire (150-C only).
- 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 17.2 bar (250 psi). The top of the tank shall be fitted with a 10 cm (4 in.) ID fill opening.

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 3.11 m³ (110 cu ft) for the 150-C and a 6.23 m³ (220 cu ft) for the 350-C. 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 ULC listed.

Hoses and Nozzles – The discharge hose shall be ULC Listed, equipped with chrome plated brass couplings and 2 to 2.5 cm (3/4 to 1 in.) ID. It shall utilize a pin prick outside cover to permit diffusion of gases.

The nozzle shall consist of a two-position ball valve and barrel. The nozzle barrel shall be a three-hole cone tip. The nozzle ball valve assembly shall be chrome-plated brass.

RED LINE® CR-I-K-150-C



006501

RED LINE® CR-I-K-350-C



006502

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 °C (-40 °F) to 48 °C (120 °F).

Low Temperature – LT models: -54 °C (-65 °F) to 48 °C (120 °F).

Model No.	CR-I-A-150-C	CR-LT-I-A-150-C	CR-I-K-150-C	CR-LT-I-K-150-C	CR-LR-I-K-150-C	CR-LT-I-A-350-C	CR-I-K-350-C
▶ Part No.	423099	427786	435326	435324	427788	31981	435328
Capacity/Agent	56.7 kg (125 lb) FORAY	56.7 kg (125 lb) FORAY	56.7 kg (125 lb) Purple-K	56.7 kg (125 lb) Purple-K	56.7 kg (125 lb) Purple-K	136 kg (300 lb) FORAY	136 kg (300 lb) Purple-K
ULC Rating	30-A:160-B:C	30-A:160-B:C	320-B:C	320-B:C	80-B:C	40-A:240-B:C	480-B:C
Fire Suppression* Capability Novice Operator	14.9 m ² (160 ft ²)	14.9 m ² (160 ft ²)	29.7 m ² (320 ft ²)	29.7 m ² (320 ft ²)	7.4 m ² (80 ft ²)	22.3 m ² (240 ft ²)	44.6 m ² (480 ft ²)
Experienced Operator	37.1 m ² (400 ft ²)	37.1 m ² (400 ft ²)	74.3 m ² (800 ft ²)	74.3 m ² (800 ft ²)	18.6 m ² (200 ft ²)	55.7 m ² (600 ft ²)	111.5 m ² (1200 ft ²)
Standard Hose	1.9 cm x 15 m (3/4 in x 50 ft)	1.9 cm x 15 m (3/4 in x 50 ft)	1.9 cm x 15 m (3/4 in x 50 ft)	1.9 cm x 15 m (3/4 in x 50 ft)	1.9 cm x 15 m (3/4 in x 50 ft)	2.5 cm x 15 m (1 in x 50 ft)	2.5 cm x 15 m (1 in x 50 ft)
Discharge Time	39 sec	39 sec	51 sec	51 sec	32 sec	45 sec	67 sec
Effective Range	7.6 m (25 ft)	7.6 m (25 ft)	7.6 m (25 ft)	7.6 m (25 ft)	10.7 m (35 ft)	9.1 m (30 ft)	9.1 m (30 ft)
Agent Flow Rate	1.6 kg/sec (3.5 lb/sec)	1.6 kg/sec (3.5 lb/sec)	1 kg/sec (2.1 lb/sec)	1 kg/sec (2.1 lb/sec)	2 kg/sec (4.4 lb/sec)	3.7 kg/sec (8.1 lb/sec)	2.2 kg/sec (4.9 lb/sec)
Charged Weight (with agent)	201 kg (443 lb)	201 kg (443 lb)	201 kg (443 lb)	201 kg (443 lb)	201 kg (443 lb)	407 kg (898 lb)	407 kg (898 lb)
Shipping Weight	219 kg (483 lb)	219 kg (483 lb)	205 kg (453 lb)	205 kg (453 lb)	205 kg (453 lb)	419 kg (922 lb)	419 kg (922 lb)
Dimensions (H)	132 cm (52 in)	132 cm (52 in)	132 cm (52 in)	132 cm (52 in)	132 cm (52 in)	152 cm (60 in)	152 cm (60 in)
(W)	74 cm (29 in)	74 cm (29 in)	74 cm (29 in)	74 cm (29 in)	74 cm (29 in)	90 cm (35.5 in)	90 cm (35.5 in)
(D)	107 cm (42 in)	107 cm (42 in)	107 cm (42 in)	107 cm (42 in)	107 cm (42 in)	118 cm (46.5 in)	118 cm (46.5 in)
Options:							
Quick Open Valve	X	X	X	X	X	X	X
30.5 m (100 ft) Hose	X	X	X	X	X	X	X
Wide Wheels	X	X	X	X	X	STANDARD	STANDARD
▶ Rubber Tire	X	X	X	CR-LT-RT-I-K-150-C Part No. 435322 specs same as above except rubber tires.	X	N/A	N/A
Listings/Approvals	ULC	ULC	ULC	ULC	ULC	ULC	ULC

* Underwriters Laboratories Of Canada (ULC) classifies a "novice operator" as one who has little or no experience in operating a fire extinguisher.

ABBREVIATIONS

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

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