











DATA SHEET



RED LINE HAND PORTABLE EXTINGUISHERS MODELS 10, 20, 30

Features

- Rugged, durable, reliable fire protection.
- Ergonomically designed for maximum operator performance.
- Meets or exceeds requirements of ANSI/UL 299 and 711, and ULC S504 and S508.
- USCG approved with proper bracket.
- Simple and safe operation.
- Maintenance checks can be easily made on every moving part.
- Field rechargeable
- Available in three sizes (10, 20, and 30 lbs).
- Choice of dry chemical agents to satisfy specific protection requirements.
- First response fire fighting training available at the ANSUL® Fire School or through trained distributors.
- Manual, parts lists, and training videos are available.
- Twelve-year limited warranty.
- Sold and serviced through our network of independent distributors.

Applications

Red Line dry chemical extinguishers are designed for the protection of ordinary and high risk hazards. This hand portable extinguisher is used in industries where the occurrence or possibility of fire is high. The Red Line extinguisher has set the standard for reliable fire protection in many industries and applications including refining, petrochemical, oil and natural gas production, mining, transportation, utilities, metal processing, paint process areas, welding areas, material storage areas, and many others.

Enhancements

Corrosion Resistant (CR)

- 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 a polyester paint applied as a powder and oven cured. The dry film is continuous and is a minimum thickness of 1.5 mils.
- The hose couplings, fill cap, carrying handle, nozzle body, nozzle lever, nozzle tip and cartridge receiver push lever are black anodized for added corrosion resistance.
- The cartridge receiver body is painted with an epoxy paint for added protection in corrosive environments.



Ring Pin (RP)

- The ring pin, when inserted in the cartridge receiver, provides secondary protection against accidental actuation of the unit when the hose is not in place.
- The operating instruction nameplate notes the removal of ring pin before actuation of the extinguisher.

Low Temperature (LT)

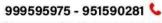
■ The LT model is equipped with a nitrogen cartridge and cartridge receiver which is listed and approved for operation in environments with temperatures as low as -65 °F (-54 °C).

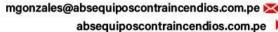
Description

- The rugged dry chemical shell is a three piece steel assembly consisting of a seamless welded tube with a spun top, a bottom closure, and a machined collar.
- A forged, non-slip aluminum handle positions the extinguisher at optimum 45° angle for easy carrying.
- Each finished shell assembly is hydrostatically tested at three times the operating pressure (600 psi (41.4 bar)) and is designed to withstand a pressure of six times the normal operating pressure.
- UL/ULC and FM listing mark, rating and model information are permanently marked on the fill collar.
- The cartridge receiver is made of cast aluminum with a stainless steel insert to prevent thread wear.
- The stainless steel puncture pin is sealed with impregnated felt washers which seal against moisture and provide lubrication to the pin.
- The large three-inch fill opening allows for fast and easy recharge.

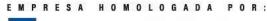
One Stanton Street | Marinette, WI 54143-2542, USA | +1-715-735-7411 | www.ansul.com © 2023 Johnson Controls. All rights reserved. All specifications and other information shown were current as of document revision date and are subject to change without notice. | Form No. AN-2023026-00





















Description (Continued)

- The large forged aluminum fill cap seals the shell, protecting the agent from contamination.
- The flat gasket and quad ring on the fill cap provide a gas and moisture tight seal.
- The handle is spring loaded to prevent movement during vibration.
- The hanger attachment is located on the extinguisher to allow for easy removal from wall bracket.
- Operating and maintenance nameplates are trilingual (English, French, and Spanish) from etched aluminum with a varnish coating to provide durability, readability and corrosion resistance.
- The front operating nameplate has easy to understand instructions and pictograms for the inexperienced operator.
- The back maintenance nameplate contains after-use and maintenance information, useful recharge, inspection, operating temperatures and model information, and a scannable QR-coded model designation and fire class rating to simplify inspection and maintenance record keeping.
- QR code compatible with BuildingReports® or similar platforms
- Standard models are equipped with N₂ cartridges and receivers which are listed and approved for operation in environments with temperatures between -65 °F to 120 °F (-53.8 °C to 48.8 °C).
- Hose couplings are corrosion resistant aluminum alloy. The shell connection coupling is equipped with an O-ring to provide a proper seal.
- The shell connection coupling is internally machined to accept an inspection seal and retaining ring.
- The nozzle body is cast aluminum with component parts of stainless steel and other corrosion resistant materials.
- The nozzle plunger assembly is provided with two guide bushings to assure proper seating when used with intermittent discharge, thus providing gas and water tightness.
- The nozzle design directs the nozzle body downward when the nozzle is squeezed, directing the agent stream at the base of the fire and increasing the chance of extinguishment.
- The nozzle tips feature a converging-diverging design to give an expanded round stream of dry chemical.
- The steel gas tube is designed with two rubber check valves clamped in place. The check valves, which cover the gas discharge holes, produce multidirectional gas streams to fluidize the dry chemical agent.
- The agent outlet elbow is machined from low carbon steel barstock and allows for maximum discharge of the dry chemical when the extinguisher is held at the normal 45° angle.
- The discharge hose is ethylene propylene diamine and is UL 92 approved for use at temperatures of -65 °F to 120 °F (-53.8 °C to 48.8 °C).
- The completed assembly is subjected to a final production air test of 240 psi (16.6 bar) and stamped to indicate year of manufacture.
- Expellent gas cartridges are fabricated of one-piece spun steel in accordance with DOT 3A-2100 (Nitrogen) and Transport Canada (TC) specifications.



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- Cartridges are sealed with a brass seal assembly utilizing a copper seat. The seal assembly has ANSUL® printed on it, indicating the seal meets or exceeds Johnson Controls quality levels and UL/ULC requirements.
- Low temperature nitrogen cartridge seal has a safe rupture pressure range of 3150 to 3500 psi (217 to 241 bar) in a temperature range of 195 °F to 210 °F (91 °C to 99 °C).
- Painted steel parts are prepared by going through a series
 of surface preparation steps, including degreasing, an acid
 pickling process, zinc phosphate bonding and non-chromate
 sealing.
- Parts are then painted using an electrostatically applied polyester powder coating and oven cured.
- The cartridge guard is made of a composite consisting of fiber filled, polypropylene and various additives to resist UV degradation and maintain strength and integrity.



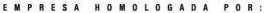
The composite guard is designed with the nozzle holster as an integral part of the one piece construction. It contains a hose retainer tab which can be used to attach the visual seal. The guard is designed to prevent its removal unless the inspection seal is broken.

Note: The Model 10 cartridges with two-piece construction are exempt from DOT requirements (due to volume) and are made in accordance with UL/ULC specifications.

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Description (Continued)

Model	RL-PK-10-G	RL-BC-10-G	RL-A-10-G	RL-PK-20-G	RL-BC-20-G
Part No.	445449	445450	445451	445452	445453
Agent	Purple-K	PLUS-FIFTY C	FORAY	Purple-K	PLUS-FIFTY C
Capacity	9 lb (4.1 kg)	10 lb (4.5 kg)	8.5 lb (3.7 kg)	18 lb (8.2 kg)	20 lb (9.1 kg)
UL/ULC Rating	60-B:C	40-B:C	4-A:40-B:C	80-B:C	60-B:C
Coast Guard Classification	Type B:C, Size II	Type B:C, Size II	Type A, Size II Type B:C, Size I	Type B:C, Size III	Type B:C, Size III
Discharge Time	19 sec	15 sec	15 sec	21 sec	22 sec
Flow Rate	0.53 lb/sec (0.24 kg/sec)	0.62 lb/sec (0.28 kg/sec)	0.50 lb/sec (0.22 kg/sec)	0.89 lb/sec (0.40 kg/sec)	0.90 lb/sec (0.40 kg/sec)
Effective Range	25 ft (7.6 m)	21 ft (6.4 m)	17 ft (5.2 m)	30 ft (9.1 m)	24 ft (7.3 m)
Approvals	UL, ULC, FM, USCG**	UL, ULC, FM, USCG**	UL, ULC, FM, USCG**	UL, ULC, FM, USCG**	UL, ULC, FM, USCG**
Brackets • Multipurpose*** • Heavy Duty*** • Heavy Duty Ring Pin***	14228 30886 N/A	14228 30886 N/A	14228 30886 N/A	14091 30759 15665	14091 30759 15665
Charged Weight	21 lb (9.5 kg)	22 lb (10.0 kg)	20.5 lb (9.3 kg)	36 lb (16.3 kg)	38 lb (17.2 kg)
Dimensions: Height Width Depth	16.1 in. (409 mm) 8.3 in. (209 mm) 5.3 in. (133 mm)	16.1 in. (409 mm) 8.3 in. (209 mm) 5.3 in. (133 mm)	16.1 in. (409 mm) 8.3 in. (209 mm) 5.3 in. (133 mm)	20.5 in. (521 mm) 10.4 in. (264 mm) 7.0 in. (178 mm)	20.5 in. (521 mm 10.4 in. (264 mm 7.0 in. (178 mm
Fire Suppression Capability* Novice Operator Experienced Operator	60 ft ² (5.6 m ²) 150 ft ² (13.9 m ²)	30 ft ² (2.8 m ²) 75 ft ² (6.9 m ²)	40 ft ² (3.7 m ²) 100 ft ² (9.3 m ²)	80 ft ² (7.4 m ²) 200 ft ² (18.6 m ²)	40 ft ² (3.7 m ²)
				200 CO (100 CO (100 CO)	1
Model	RL-A-20-G	RL-PK-30-G	RL-BC-30-G	RL-A-30-G	
Model Part No.	RL-A-20-G 445454	RL-PK-30-G 445455	RL-BC-30-G 445456	RL-A-30-G 445457	
Part No.	445454	445455	445456	445457	
Part No. Agent Capacity	445454 FORAY 17 lb (7.7 kg)	445455 Purple-K 27 lb (12.3 kg)	445456 PLUS-FIFTY C 30 lb (13.6 kg)	445457 FORAY 25 lb (11.3 kg)	
Part No. Agent	445454 FORAY	445455 Purple-K	445456 PLUS-FIFTY C	445457 FORAY	
Part No. Agent Capacity UL/ULC Rating	445454 FORAY 17 lb (7.7 kg) 6-A:60-B:C	445455 Purple-K 27 lb (12.3 kg) 120-B:C	445456 PLUS-FIFTY C 30 lb (13.6 kg) 80-B:C	445457 FORAY 25 lb (11.3 kg) 10-A:80-B:C	
Part No. Agent Capacity UL/ULC Rating Coast Guard	445454 FORAY 17 lb (7.7 kg) 6-A:60-B:C Type A, Size II	445455 Purple-K 27 lb (12.3 kg) 120-B:C	445456 PLUS-FIFTY C 30 lb (13.6 kg) 80-B:C	445457 FORAY 25 lb (11.3 kg) 10-A:80-B:C Type A, Size II	
Part No. Agent Capacity UL/ULC Rating Coast Guard Classification	445454 FORAY 17 lb (7.7 kg) 6-A:60-B:C Type A, Size II Type B:C, Size II	445455 Purple-K 27 lb (12.3 kg) 120-B:C Type B:C, Size IV	445456 PLUS-FIFTY C 30 lb (13.6 kg) 80-B:C Type B:C, Size IV	445457 FORAY 25 lb (11.3 kg) 10-A:80-B:C Type A, Size II Type B:C, Size III	
Part No. Agent Capacity UL/ULC Rating Coast Guard Classification Discharge Time	445454 FORAY 17 lb (7.7 kg) 6-A:60-B:C Type A, Size II Type B:C, Size II 22 sec 0.77 lb/sec	445455 Purple-K 27 lb (12.3 kg) 120-B:C Type B:C, Size IV 27 sec 0.99 lb/sec	445456 PLUS-FIFTY C 30 lb (13.6 kg) 80-B:C Type B:C, Size IV 32 sec 0.87 lb/sec	445457 FORAY 25 lb (11.3 kg) 10-A:80-B:C Type A, Size II Type B:C, Size III 26 sec 0.89 lb/sec	
Part No. Agent Capacity UL/ULC Rating Coast Guard Classification Discharge Time	445454 FORAY 17 lb (7.7 kg) 6-A:60-B:C Type A, Size II Type B:C, Size II 22 sec 0.77 lb/sec (0.35 kg/sec)	445455 Purple-K 27 lb (12.3 kg) 120-B:C Type B:C, Size IV 27 sec 0.99 lb/sec (0.45 kg/sec)	445456 PLUS-FIFTY C 30 lb (13.6 kg) 80-B:C Type B:C, Size IV 32 sec 0.87 lb/sec (0.39 kg/sec)	445457 FORAY 25 lb (11.3 kg) 10-A:80-B:C Type A, Size II Type B:C, Size III 26 sec 0.89 lb/sec (0.40 kg/sec)	
Part No. Agent Capacity UL/ULC Rating Coast Guard Classification Discharge Time Flow Rate Effective Range	445454 FORAY 17 lb (7.7 kg) 6-A:60-B:C Type A, Size II Type B:C, Size II 22 sec 0.77 lb/sec (0.35 kg/sec) 20 ft (6.1 m) UL, ULC, FM,	445455 Purple-K 27 lb (12.3 kg) 120-B:C Type B:C, Size IV 27 sec 0.99 lb/sec (0.45 kg/sec) 30 ft (9.1 m) UL, ULC, FM,	445456 PLUS-FIFTY C 30 lb (13.6 kg) 80-B:C Type B:C, Size IV 32 sec 0.87 lb/sec (0.39 kg/sec) 23 ft (7.0 m) UL, ULC, FM,	445457 FORAY 25 lb (11.3 kg) 10-A:80-B:C Type A, Size II Type B:C, Size III 26 sec 0.89 lb/sec (0.40 kg/sec) 20 ft (6.1 m) UL, ULC, FM,	
Part No. Agent Capacity UL/ULC Rating Coast Guard Classification Discharge Time Flow Rate Effective Range Approvals Brackets • Multipurpose*** • Heavy Duty***	445454 FORAY 17 lb (7.7 kg) 6-A:60-B:C Type A, Size II Type B:C, Size II 22 sec 0.77 lb/sec (0.35 kg/sec) 20 ft (6.1 m) UL, ULC, FM,	445455 Purple-K 27 lb (12.3 kg) 120-B:C Type B:C, Size IV 27 sec 0.99 lb/sec (0.45 kg/sec) 30 ft (9.1 m) UL, ULC, FM,	445456 PLUS-FIFTY C 30 lb (13.6 kg) 80-B:C Type B:C, Size IV 32 sec 0.87 lb/sec (0.39 kg/sec) 23 ft (7.0 m) UL, ULC, FM,	445457 FORAY 25 lb (11.3 kg) 10-A:80-B:C Type A, Size II Type B:C, Size III 26 sec 0.89 lb/sec (0.40 kg/sec) 20 ft (6.1 m) UL, ULC, FM,	
Part No. Agent Capacity UL/ULC Rating Coast Guard Classification Discharge Time Flow Rate Effective Range Approvals Brackets • Multipurpose*** • Heavy Duty***	445454 FORAY 17 lb (7.7 kg) 6-A:60-B:C Type A, Size II Type B:C, Size II 22 sec 0.77 lb/sec (0.35 kg/sec) 20 ft (6.1 m) UL, ULC, FM, USCG**	445455 Purple-K 27 lb (12.3 kg) 120-B:C Type B:C, Size IV 27 sec 0.99 lb/sec (0.45 kg/sec) 30 ft (9.1 m) UL, ULC, FM, USCG**	445456 PLUS-FIFTY C 30 lb (13.6 kg) 80-B:C Type B:C, Size IV 32 sec 0.87 lb/sec (0.39 kg/sec) 23 ft (7.0 m) UL, ULC, FM, USCG**	445457 FORAY 25 lb (11.3 kg) 10-A:80-B:C Type A, Size II Type B:C, Size III 26 sec 0.89 lb/sec (0.40 kg/sec) 20 ft (6.1 m) UL, ULC, FM, USCG**	
Part No. Agent Capacity UL/ULC Rating Coast Guard Classification Discharge Time Flow Rate Effective Range Approvals Brackets • Multipurpose*** • Heavy Duty***	445454 FORAY 17 lb (7.7 kg) 6-A:60-B:C Type A, Size II Type B:C, Size II 22 sec 0.77 lb/sec (0.35 kg/sec) 20 ft (6.1 m) UL, ULC, FM, USCG**	445455 Purple-K 27 lb (12.3 kg) 120-B:C Type B:C, Size IV 27 sec 0.99 lb/sec (0.45 kg/sec) 30 ft (9.1 m) UL, ULC, FM, USCG**	445456 PLUS-FIFTY C 30 lb (13.6 kg) 80-B:C Type B:C, Size IV 32 sec 0.87 lb/sec (0.39 kg/sec) 23 ft (7.0 m) UL, ULC, FM, USCG** 14098 30889	445457 FORAY 25 lb (11.3 kg) 10-A:80-B:C Type A, Size II Type B:C, Size III 26 sec 0.89 lb/sec (0.40 kg/sec) 20 ft (6.1 m) UL, ULC, FM, USCG**	
Part No. Agent Capacity UL/ULC Rating Coast Guard Classification Discharge Time Flow Rate Effective Range Approvals Brackets • Multipurpose*** • Heavy Duty*** • Heavy Duty Ring Pin***	445454 FORAY 17 lb (7.7 kg) 6-A:60-B:C Type A, Size II Type B:C, Size II 22 sec 0.77 lb/sec (0.35 kg/sec) 20 ft (6.1 m) UL, ULC, FM, USCG**	445455 Purple-K 27 lb (12.3 kg) 120-B:C Type B:C, Size IV 27 sec 0.99 lb/sec (0.45 kg/sec) 30 ft (9.1 m) UL, ULC, FM, USCG** 14098 30889 25428	445456 PLUS-FIFTY C 30 lb (13.6 kg) 80-B:C Type B:C, Size IV 32 sec 0.87 lb/sec (0.39 kg/sec) 23 ft (7.0 m) UL, ULC, FM, USCG** 14098 30889 25428	445457 FORAY 25 lb (11.3 kg) 10-A:80-B:C Type A, Size II Type B:C, Size III 26 sec 0.89 lb/sec (0.40 kg/sec) 20 ft (6.1 m) UL, ULC, FM, USCG** 14098 30889 25428	

⁶⁰ ft² 150 ft² 120 ft² 300 ft² 60 ft² 150 ft² 80 ft² 200 ft² (7.4 m²) (18.6 m²) **Experienced Operator** (13.9 m²) (27.9 m²) (13.9 m^2) * Underwriters Laboratories classifies a 'novice operator' as one who has little or no experience in operating a fire extinguisher.

 (11.1 m^2)

 (5.6 m^2)

Fire Suppression Capability*

Novice Operator

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 (5.6 m^2)

^{**} U.S.C.G. Approved only with bracket *** Corrosion resistant epoxy painted brackets also available.













DATA SHEET



SENTRY Dry Chemical Hand Portable Extinguishers

Features

- Meets or exceeds requirements of ANSI/UL 299 and 711, or ULC S504 and S508
- USCG approved with proper bracket
- Simple operation and maintenance
- Tough, glare-resistant, one-piece mylar nameplates
- Rechargeable
- Manufactured of durable high quality materials
- Choice of dry chemical agents to satisfy specific protection requirements
- Large, easy-to-read pressure gauge
- Manuals, parts lists, videos available for training purposes
- Hand portable fire fighting training at the world renowned
- Six-year limited warranty from date of delivery to original enduser purchaser
- Sold and serviced through an international network of independent distributors in every state and most foreign countries
- 2 1/2 lb and 5 lb units also available with vehicle bracket attached and packaged with extinguisher

Application

SENTRY dry chemical extinguishers are designed for protection of light and ordinary hazards. These compact and portable extinguishers are designed for commercial/compliance fire protection needs. All extinguishers are designed to fit most wall mounted storage cabinets. Typical applications include light manufacturing, warehousing, restaurants, office buildings, shop areas, auto repair shops, paint process areas, apartment buildings, parking garages, aircraft servicing areas, material handling vehicles, and many others.

Description

- SENTRY shells are produced by a cold deep draw process which yields a seamless steel cylinder with a high tensile strength
- Unique pre-treatment of the raw low carbon steel not only consists of a cleaning process, but also applies a special lubricant which helps keep the interior and exterior shell surfaces scratch free.
- 3. The collar and specially pre-formed bottom enclosure are MIG welded to produce a smooth, high integrity weld.



- Extinguisher shells are 100% factory air tested in excess of 600 psi (41.4 bar), 375 psi (26 bar) for 2 1/2 lb units.
- The powder paint process is superior to conventional liquid based paint systems in its ability to resist blistering, cracking, fading, chipping, and corrosion.
- Before the extinguisher shells are painted, they are surface treated with a blasting or phosphate bonding process. This enhances the paint adhesion and corrosion resistance.
- The specially formulated powder paint is electrostatically applied and oven cured to help ensure complete coverage and uniform paint thickness.
- Easy grip extinguisher handles are designed for maximum portability, allowing operators to fight the fire without removing work gloves.
- SENTRY extinguisher valve bodies are made from a durable extruded aluminum alloy.
- Completed valve assemblies feature plated steel valve stems which contain o-ring and seat material compatible with the agent to provide reliable performance and long life.
- Rugged all-steel pick-up tubes help provide proper and dependable agent flow through the valve body.
- SENTRY extinguishers have large, color-coded pressure gauges which provide a quick visual indication of unit readiness
- 13. Large 1 1/4 in. (32 mm) dia. coated steel ring pins are utilized and held in place by a visual inspection seal to help prevent accidental discharges. **Note**: Smaller ring pins for 2 1/2 lb units are stainless steel.
- 14. One piece, multilingual, color-coded mylar label with easy-to-read pictograms provides the user with step-by-step operating instructions and the hazard classes for which the extinguisher was designed. Label also contains useful recharge, maintenance, inspection, operating temperature, HMIS and model information.

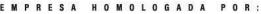


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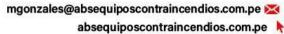


Specifications

Dry Chemical Extinguishers	SENTRY 2 1/2	SENTRY 5		Sentry
	009631		007102	007103
Model	A02S/A02S VB	AA05S-1/AA05S-1 VB	A05S/A05S VB	PK05S
Extinguisher Part No. (except Canada)¹	438732/438735	442257/442258	442235/442236	442253
Extinguisher Part No. (Canada)²	438946/438738	442260/442261	442238/442239	1 <u></u> 1
International Models	442656	442286/442297	442278/442280	442301
Bracket Part No.	24610	429146	429146	429146
Agent Capacity	2 1/2 lb (1.13 kg) FORAY	5 lb (2.27 kg) FORAY	5 lb (2.27 kg) FORAY	5 lb (2.27 kg) Purple-K
UL/ULC Rating	1-A:10-B:C	3-A:40-B:C	3-A:10-B:C	60-B:C
Coast Guard Classification	Туре В, С, Size I	Type A, Size II Type B, C, Size I	Type A, Size II Type B, C, Size I	Type B, C, Size I
Discharge Time	9 seconds	14 seconds	15 seconds	17 seconds
Maximum Effective Range	11 ft (3.4 m)	14 ft (4.3 m)	14 ft (4.3 m)	16 ft (4.9 m)
Operating Temperature Range	–65 °F to 120 °F (–54 °C to 49 °C)	–65 °F to 120 °F (–54 °C to 49 °C)		
Agent Flow Rate	0.31 lb/sec (0.14 kg/sec)	0.36 lb/sec (0.16 kg/sec)	0.37 lb/sec (0.17 kg/sec)	0.30 lb/sec (0.14 kg/sec)
Charged Weight (with agent)	5 lb (2.27 kg)	9 lb, 1 oz (4.12 kg)	8 lb, 13 oz (4.0 kg)	9 lb, 1 oz (4.12 kg)
Dimensions: Height	13 3/4 in. (349 mm)	16 3/4 in. (425 mm)		
Width	5 1/4 in. (133 mm)	8 1/2 in. (216 mm)		
Depth	3 3/8 in. (86 mm)	4 7/16 in. (113 mm)		
Fire Suppression Capability³	*			
Operator: Novice: Experienced:	10 ft ² (0.93 m ²) 25 ft ² (2.3 m ²)	40 ft ² (3.7 m ²) 100 ft ² (9.3 m ²)	10 ft ² (0.93 m ²) 25 ft ² (2.3 m ²)	60 ft ² (5.6 m ²) 150 ft ² (13.9 m ²)

¹ UL Listed. English/Spanish nameplates.

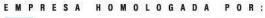
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² ULC Listed. English/Canadian French nameplates.

³ Underwriters Laboratories classifies a "novice operator" as one who has little or no experience in operating a fire extinguisher.











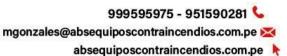




Approvals: DOT, USCG (All Models with proper bracket)

Hydrostatic Test Requirement: Once every 12 years (All Models)

Note: VB denotes with vehicle bracket

















DATA SHEET



RED LINE Wheeled Extinguisher Models 150-D, 350-D

Features

- Listed by Underwriters Laboratories (UL). Underwriters Laboratories of Canada (ULC)
- Factory Mutual (FM) and United States Coast Guard (USCG) approved
- Meets or exceeds the requirements of ANSI/UL 299 and 711, and ULC S504 and S508
- Three ANSUL® dry chemical suppressing 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 a discharge nozzle with a two-position ball valve
- Aluminum nozzle barrel provides a solid, round agent stream
- Standard fill cap indicates when unit is pressurized
- Stock models available for immediate delivery (no options)
- Long range nozzle
 - Quick-opening nitrogen cylinder valve
 - Standard wheels
 - Wide wheels
 - Semi-pneumatic (150-D models only)
 - Rubber coated tires
 - 100 ft (30 m) hose on most models

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 suppressing 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 suppressing 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
- Loading racks Dip and quench tanks Airports
- Offshore platforms
- Fuel storage areas
- Heavy manufacturing operations
- LNG operations
- Oil refineries
- Government installations
- Petrochemical plants

RED LINE RL-PK-350-D WITH RUBBER TIRES



RED LINE RL-A-150-D

RED LINE RL-PK-350-D WITH





Description

Agent tank - The extinguisher tank is manufactured of welded 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. (100 mm) inside diameter fill opening. The tank head has a brass bodied safety relief with bursting disc which vents 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 $23 \, \mathrm{ft^3} \, (0.65 \, \mathrm{m^3})$ for the 150-D and 55 ft³ (1.55 m³) for the 350-D.

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

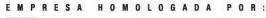
One Stanton Street | Marinette, WI 54143-2542, USA | +1-715-735-7411 | www.ansul.com © 2024 Johnson Controls. All rights reserved. All specifications and other information shown were current as of document revision date and are subject to change without notice. | Form No. F-2002046-08



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Description (Continued)

Hoses and nozzles – The discharge hose 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 in multiple languages (English, French, and Spanish). A QR code has embedded pertinent information to streamline the installation process.

Finish – In addition to the standard surface preparation procedures, the steel parts are primed using a corrosion-resistant primer. The top coat is a super durable polyester powder paint and oven cured. The fill cap and nozzle body are black anodized for added corrosion-resistance.

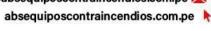
Temperature – Models are listed and approved for operation in environments with temperatures between -65 °F to 120 °F (-54 °C to 48.8 °C).

RED LINE Wheeled Fire Extinguishers - Model 150-D

Model UL/ULC Part No.	RL-BC-150-D 435318	RL-PK-150-D 435334 439717*	RL-LR-PK-150-D [1] 55357	RL-A-150-D 435054 439913*
Arabic Model UL Part No.	CR-I-150-D 435816	CR-I-K-150-D 435817	_	CR-I-A-150-D-1 438634
Capacity/Agent	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
UL/ULC Rating	240-B:C	320-B:C	80-B:C	30-A:240-B:C
Listings/Approvals	UL/ULC, FM, USCG	UL/ULC, FM, USCG	UL/ULC, FM, USCG	UL/ULC, FM, USCG
Discharge Time	47 s	48 s	39 s	49 s
Effective Range	25 ft (7.6 m)	25 ft (7.6 m)	35 ft (10.7 m)	25 ft (7.6 m)
Agent Flow Rate	2.9 lb/s (1.31 kg/s)	2.6 lb/s (1.17 kg/s)	3.96 lb/s (1.8 kg/s)	2.57 lb/s (1.17 kg/s)
Charged Weight (with agent) and Shipping Weight	354 lb (160.6 kg)	329 lb (149.2 kg)	329 lb (149.2 kg)	329 lb (149.2 kg)
Dimensions: Height: Width:	45.5 in. (1156 mm) 24 in. (610 mm)	45.5 in. (1156 mm) 24 in. (610 mm)	45.5 in. (1156 mm) 24 in. (610 mm)	45.5 in. (1156 mm) 24 in. (610 mm)
Depth:	36 in. (914 mm)	36 in. (914 mm)	36 in. (914 mm)	36 in. (914 mm)
Note: [1] Long range no pressure fires	zzles are specifically de flammable liquids or g		* Stock models (without immediate shipment.	options) available for

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RED LINE Wheeled Fire Extinguishers - Model 350-D

Model UL/ULC Part No.	RL-PK-350-D 445458	RL-LR-PK-350-D [1] 445459	RL-A-350-D 443583
Capacity/Agent	300 lb (136.4 kg)/Purple-K	300 lb (136.4 kg)/Purple-K	300 lb (136.4 kg)/FORAY
UL/ULC Rating	640-B:C	160-B:C	40-A:320-B:C
Listings/Approvals	UL/ULC, FM, USCG	UL/ULC, FM, USCG	UL/ULC, FM, USCG
Discharge Time	80 s	38 s	56 s
Effective Range	30 ft (9.1 m)	40 ft (12.2 m)	30 ft (9.1 m)
Agent Flow Rate	3.8 lb/s (1.72 kg/s)	8 lb/s (3.64 kg/s)	5.3 lb/s (2.4 kg/s)
Charged Weight (with agent) and Shipping Weight	690 lb (313.0 kg)	690 lb (313.0 kg)	690 lb (313.0 kg)
Dimensions: Height: Width: Depth:	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)

ABBREVIATIONS

A FORAY agent PK Purple-K agent BC Plus Fifty C agent LR Long range

Note: [1] Long range nozzles are specifically designed to fight pressure fires (flammable liquids or gases under pressure).

