

AFFF WHEELED FIRE EXTINGUISHER DATA SHEET

MODEL CR-AR-33-D

APPLICATION

Wheeled extinguishers are specifically designed for large, high risk areas where the availability of trained personnel is limited. They can be moved from one area to another and can be fully operated by one trained person.

Ansul AR-33 is a polar solvent, alcohol-resistant AFFF. When mixed with fresh, potable water, it will form a highly effective fire extinguishing agent. When applied with the aerating nozzle, it produces a low surface tension foam which quickly blankets flammable liquids. It extinguishes fire by separating it from the fuel source, in doing so blankets the fuel source with a surfactant layer suppressing the vapors and cooling

the fuel. It inhibits fire by preventing the escape of flammable vapors, excluding oxygen from the liquid surface and cooling the hazard area.

The AR-33 agent is used primarily for Class B hydrocarbon fires and polar solvent fires including such fuels as alcohols, ketones, carboxylic acids, aldehydes, and esters. Its excellent wetting characteristics make it useful in combating Class A fires as well.

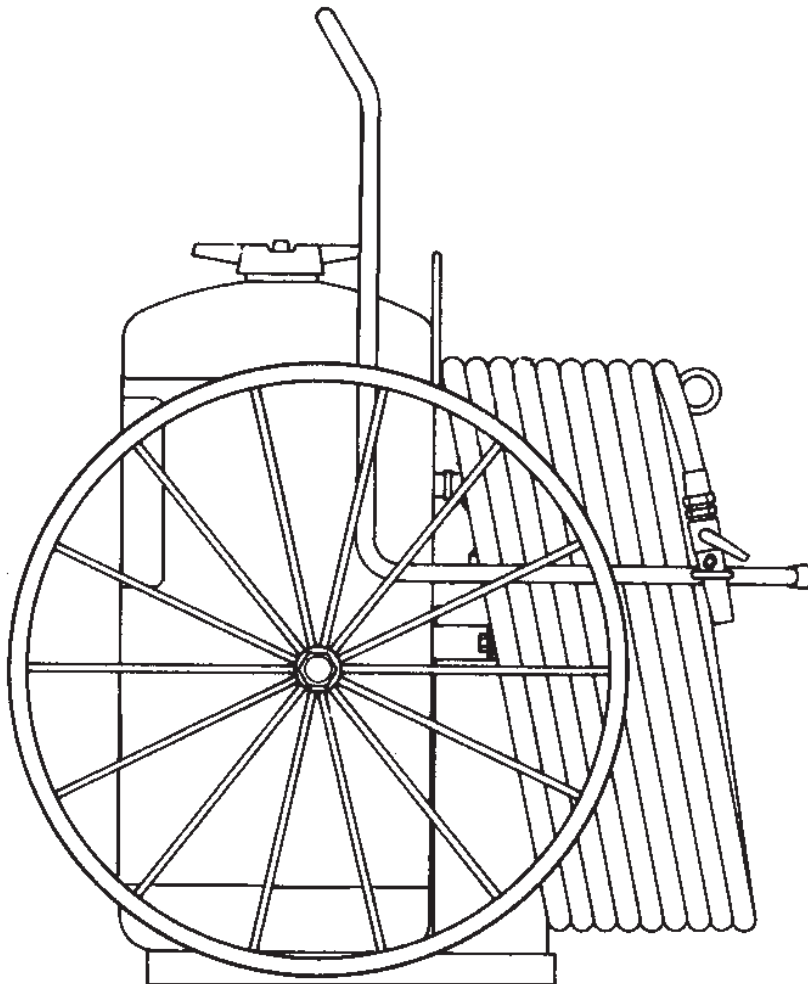
The CR-AR-33-D wheeled extinguisher is completely self-contained. It requires no foam pumps or proportioners. An attached nitrogen cylinder is the only pressure source required to expel and aerate the pre-mixed solution.

The unit's low profile allows easy access through standard door dimensions.

Designed to be compact, mobile, and highly maneuverable, this extinguisher performs in a multitude of environments. Some typical applications are chemical plants, offshore platforms, industrial sites, and aircraft hangars.

DESCRIPTION

- The extinguisher requires no foam pumps. The nitrogen cylinder provides working pressure and assures the correct flow rate.
- The extinguisher does not require a proportioning system, the agent is pre-mixed. It is specifically designed and tested for use with Ansul AR-33 solution.
- The extinguisher holds 33 gallons (125 L) of AFFF/water mixture and has an average flow rate of 30 gallons per minute (113 liters per minute). Recharge is made easy by use of a fill indicator rod which ensures correct water/AFFF recharge ratio.
- This is a UL listed extinguisher with a 20-A:160-B rating and may also be used on polar solvent type fuels.
- This extinguisher is equipped with a fill cap pressure indicator to determine, at a glance, if the unit has been pressurized.
- Optional rubber tires are available for special flooring or for volatile areas to prevent sparks. The wheeled foam extinguisher is corrosion resistant which makes it suitable for corrosive environments.
- This extinguisher is pressurized by merely turning the nitrogen cylinder valve or by pulling the fast lever actuator on the optional Quick-Opening valve.
- For low temperature protection to -40°F (40°C), a specially designed insulated cover and 110 VAC tank heater is available. See "Accessories" on back for details.



SPECIFICATIONS

Agent Container – The extinguisher tank shall be of welded steel construction with elliptically dished heads and circumferential seams. The tank shall be designed and constructed for working pressure of 245 psi (1689 kPa). A 4 in. (102 mm) I.D. fill opening will be fitted to the top of the tank for easy filling. The tank shall have a brass bodied safety relief valve with bursting disc which will vent itself at 450 psi (3103 kPa). The interior of the tank shall be coated with a coal tar epoxy to help prevent corrosion.

Fill Cap – The extinguisher tank shall be provided with one black anodized corrosion resistant indicator fill cap. The cap shall consist of a cast aluminum body equipped with two handles extending from opposite sides of the cap; these permit hand tightening without the use of tools so that it is free from leakage under normal operating pressure. The cap shall be equipped with a 3/32 in. (2.4 mm) thick rubber gasket inserted in a machined recess.

A safety vent hole or slots in the threads shall be located in the fill cap so that the cap is capable of venting while at least 3 1/2 threads are engaged.

A fill indicator assembly shall function as a measuring device for accurate recharge of the wheeled extinguisher.

Nitrogen Cylinder and Valve – The nitrogen cylinder shall be mounted in a vertical position. The method of mounting shall be designed to permit easy access of operation and replacement of the cylinder. It shall be a nitrogen 23 cu. ft. (.65 m³) cylinder.

Each cylinder shall be equipped with a conventional hand wheel nitrogen cylinder valve with visual pressure gauge. An Underwriters Laboratories listed Quick-Opening valve shall be available as an option.

Hoses, Valves and Nozzles – The extinguisher shall have a 1 in. (25 mm) steel ball valve located on the tank between the hose assembly and pick-up tube. The hose shall be 1 in. I.D. x 50 ft. (25 mm x 15 m) long with steel couplings. The nitrogen hose assembly shall be 3/8 in. I.D. (10 mm) with cadmium plated brass couplings. The foam nozzle shall be black anodized aluminum and shall have four aspirator holes. The nozzle ball valve assembly shall be chrome plated brass with a 1 in. I.D. (25 mm) opening.

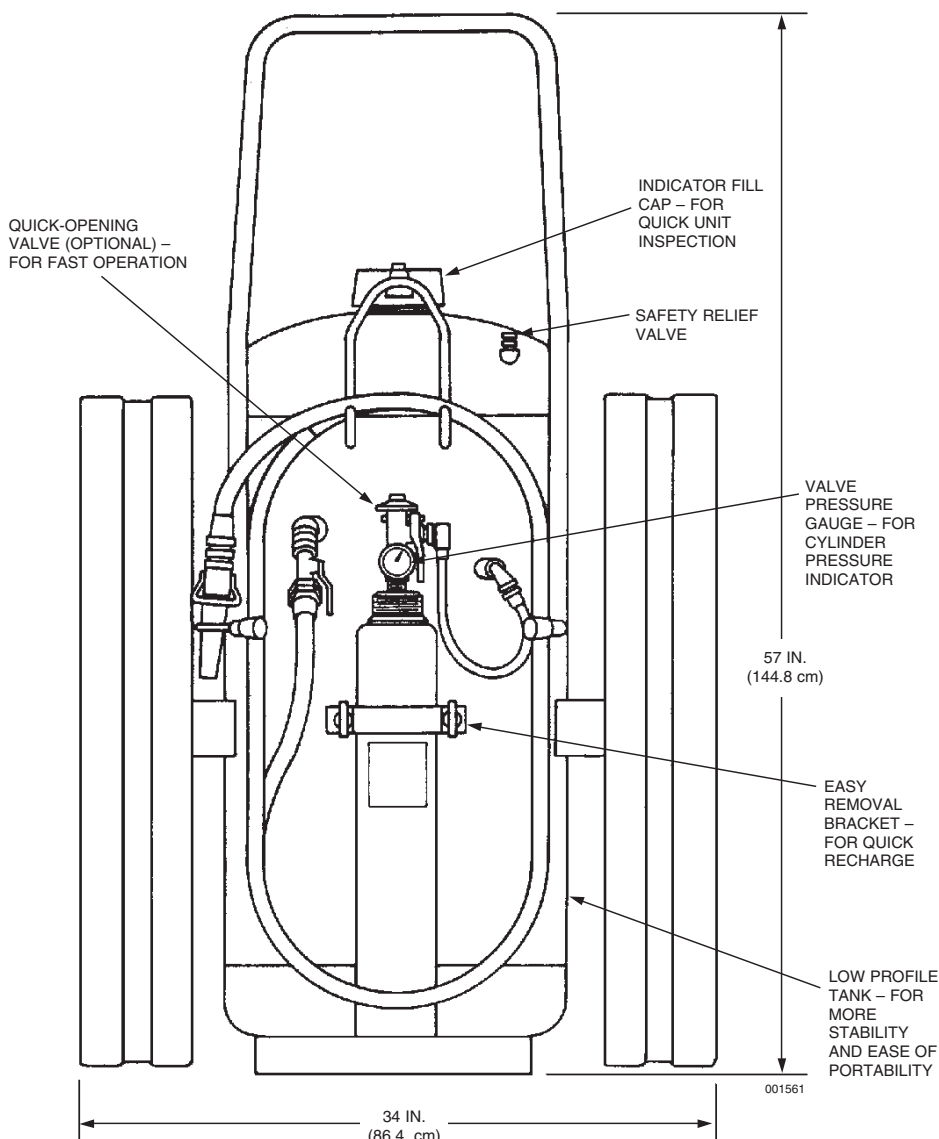
Paint and Nameplates – The nameplate shall be glare-resistant, etched aluminum. It shall contain hazard identification, operating instructions and after-use instructions.

The paint shall be red epoxy for corrosive environments. The red epoxy paint system shall be surface prepared by a near white grit blast SSPL-SP10-63T with both a prime coat and epoxy finish coat to a total dry thickness of 5 mils.

ORDERING INFORMATION

Part No.	Description
69832	CR-AR-33-D Shipping Assembly (corrosion resistant)
69835	RT-CR-AR-33-D Shipping Assembly (rubber tires – corrosion resistant)

NOTE: The Quick-Opening valve is an option that must be specified when ordering.



ACCESSORIES

For low temperature protection to – 40 °F (40 °C) , use a specially designed insulated cover, Ansul Part No. 56112, in conjunction with a 110 VAC tank heater. The customized tank heater can be purchased through Ash Equipment Co., Ash Part No. 06054081, (630) 406-0300.

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