

## 100/30 Self-Contained Twin-Agent Hand Hose Line System

### Description

The ANSUL® 100/30 Twin-Agent System is a self-contained unit containing 100 pounds (45.4 kg) of ANSUL Purple-K dry chemical and 30 gallons (113.5 L) of ANSULITE AFFF 3% premix solution. A single 110 ft<sup>3</sup> (3.11 m<sup>3</sup>) nitrogen cylinder is used to expel both agents through 50 ft (15.2 m) of twinned hose to the twin nozzle. The AFFF and dry chemical nozzles are physically linked and actuated with pistol-grip-type controls. The nozzles allow for simultaneous or independent discharge of each agent with flow rates of 30 gpm (113.5 Lpm) and 2 lb/sec (0.91 kg/sec) for AFFF and dry chemical, respectively.

The system can be actuated by manually opening the quick-opening nitrogen cylinder valve by handwheel or lever operation.

Optional remote or dashboard-mounted actuators are also available upon request. The system is designed with sufficient nitrogen and a suitable valving arrangement so that the hose lines and nozzles may be completely cleared of agent after discharge without discharging any remaining agent in the tanks.

The unit is available with or without a skid.

### Application

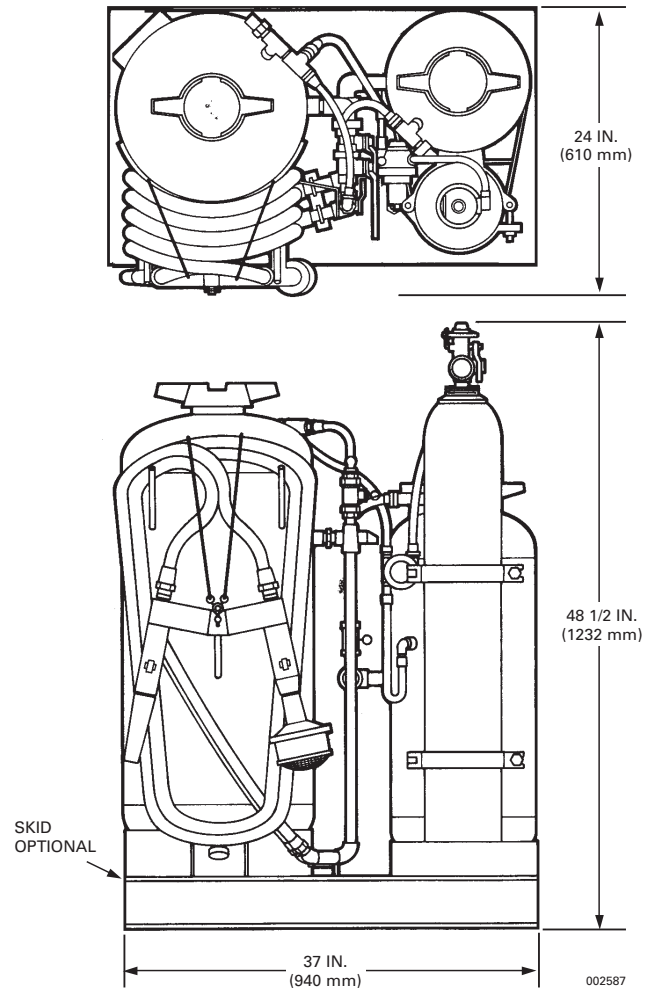
The ANSUL 100/30 Twin-Agent System combines the rapid flame knockdown capabilities of Purple-K dry chemical with the suppression and securement capability of ANSULITE AFFF (Aqueous Film-Forming Foam) agent. The completely self-contained system requires no outside power source making it ideally suited for vehicular mounting for industrial or highway applications. Typical applications include:

- Quick response rescue vehicles
- Highway emergency and safety vehicles
- Industrial plants
- Petroleum and petrochemical plants

### Performance

This small system weighs only 890 pounds (403.7 kg), requires only 25 ft<sup>3</sup> (0.71 m<sup>3</sup>) of storage space and is capable of suppressing and securing at least 200 ft<sup>2</sup> (18.6 m<sup>2</sup>) of flammable liquid spill.

The combined agent system also allows suppression capability not found with single-agent systems. The dry chemical can be used to suppress running and pressure fires within its rating which cannot be accomplished with foam alone.



The AFFF can be used to secure unignited spills as well as suppress and secure spill fires which cannot be accomplished with dry chemical alone. When used in combination, three dimension, running and pressure fires can be suppressed by a single trained operator.

## Specifications

**Dry Chemical** – The potassium bicarbonate dry chemical shall be tested for use with this system and shall meet the requirements of Underwriters Laboratories.

**ANSULITE AFFF 3% Solution** – The solution for this unit shall be ANSULITE AFFF (Aqueous Film-Forming Foam) concentrate premixed with water in a volume proportion of 3% concentrate to 97% water.

**Painting** – The red epoxy paint system utilized shall meet the following process:

1. Surface preparation – near white grit blast SSPC-SP10-63T or acid pickle with zinc (or iron phosphate and a chromate seal).
2. Prime coat – Epoxycote, Part No. 9511.
  - a. Wet film thickness – 5.5 mm
  - b. Dry film thickness – 3.0 mm
3. Top coat – Epoxycote, Part No. 9510.
  - a. Wet film thickness – 5.5 mm
  - b. Dry film thickness – 2.0 mm
4. Total dry film thickness – 5 mm except A.S.M.E. data plate. After finishing with light coat, data plate must be readable.

### Equipment Specifications:

Unit	Agent Capacity		Nitrogen Cylinder Size ft <sup>3</sup> (m <sup>3</sup> )	Approx. Empty Weight lb (kg)	Approx. Full Weight lb (kg)
	Purple-K lb (kg)	AFFF gal (L)			
With Skid	100 (45.4)	30 (113.5)	110 (3.11)	530 (240.4)	890 (403.7)
Without Skid	100 (45.4)	30 (113.5)	110 (3.11)	430 (195.0)	790 (358.3)

## Ordering Information

Part No.	Description	Paint	Approximate Shipping Weight	
			lb	(kg)
76388	100/30 Skid-Mounted Fire Suppressing/Securing System	Epoxy	710	(322)
76387	100/30 Fire Suppressing/Securing System without Skid	Epoxy	610	(277)

**Note:** The converted metric values in this document are for dimensional reference only and do not reflect an actual measurement.

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