

# DUAL AGENT SUPPRESSION AND EXTINGUISHING TRAILER

NME085

- Capacity to Carry a 275 or 330 Gallon Foam Concentrate Tote
- 500# Purple K Dry Chemical Capacity
- Electric Trailer Brakes with On-Board Battery for Breakaway Protection



## Description

The Dual Agent Suppression and Extinguishment Trailer is a vehicle drawn trailer providing large storage capacity of foam concentrate along with a foam concentrate fire fighting system and a self-contained 500# dry chemical system in a complete firefighting package. The trailer is for use with single tote tanks in either the 275 gallon or the 330 gallon size. This portable firefighting package provides plenty of flexibility and fire power to your arsenal, and is available with a variety of options which allow you to pick, choose and custom build to suit your needs. Totally self contained and ready to put into service at a moment's notice.

## Features

- Direct nozzle concentrate pick-up connection to tote tank.
- Stainless steel trailer deck rub rails on trailer deck for tote positioning.
- Bright aluminum tread plate.
- Hose bin with hinged, lockable, latching cover on each side of the trailer.
- Non-slip deck surface at monitor base.
- Quick-release tank securing system
- 3" in-line butterfly valve in monitor riser
- Two (2) HLP-9M line proportioners, with metering valves, mounted just outside the left side hose storage bin.

- Trailer is fully DOT compliant and road-ready.

## Applications

The Tote Trailer is an ideal alternative to the handling of drums or pails or relying on a foam tanker during a major flammable liquid incident. With the pre-piped trailer mounted foam system and dry chemical system, it can be placed into action immediately upon arrival on the scene, and does not require special positioning since the foam system piping allows for the water supply to be connected to either side of the trailer.

## Foam Concentrate System Components

The foam extinguishing system consists of either a single 275 or 330 gallon foam concentrate tote filled with customer specified concentrate. Trailer design allows easy rear foam tote loading, fill in-place, or use auxiliary pick-up capabilities. A National Foam 500 GPM Gladiator self-educting nozzle with metering valve is mounted to a National Foam MMA 3" x 2-1/2" monitor located ahead of the dry chemical skid. Monitor will sit atop a 3" riser pipe with 4" water inlet piping to either side of the trailer. Inlet hose connections will be 5" Storz on each side with a cap secured to the trailer frame. A 3" manually operated butterfly valve will be mounted directly below the monitor. Two (2) HLP-9M line proportioners (LP's) will be mounted just outside the left side hose storage bin. The discharge end of the line

proportioner will protrude just inside the hose storage bin enough to allow connection to 1-3/4" fire hose. Each line proportioner will be equipped with a metering valve, upstream pressure gauge, and shut-off valve. Water supply to each LP will be taken from the main water supply piping under the monitor. Foam concentrate will be supplied from the tote with a 2" flexible hose running along the left side behind the hose storage bin to a small manifold near the LP's. Valved outlets in the manifold with quick disconnect fittings will be provided for flexible hose connection to the monitor nozzle and each LP. The LP's are to be mounted for easy removal. The foam concentrate pick-up hose for the LP's will be 3/4" ID flexible hose. The foam concentrate pick-up hose for the Gladiator nozzle will be 1-1/4" ID flexible hose.

## Dry Chemical System Components

The 500# dry chemical system shall be mounted to a common steel channel skid frame. Skid will be bolted directly to the trailer frame ahead of rear foam concentrate tote. System consists of 500# capacity pressure vessel for Purple K powder, one (1) manually operated hose reel with 100-feet of 1" hose and pistol grip nozzle rated at 6#/second discharge. One (1) nitrogen cylinder will be mounted to the skip to expel DC powder. The nitrogen cylinder will be shipped empty – uncharged. System can be easily refilled on scene or back at station.

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## Trailer Design

- Heavy duty steel constructed trailer frame with dual axles.
- 10,000# GVWR.
- 3" lunette eye or standard ball hitch available.
- 10,000# front tongue jack with sand shoe.
- Two (2) 5,000# rear stabilizer jacks - one (1) each corner.
- Tongue storage area with hinged cover.
- Full fenders provided over all wheels with hose storage bins mounted above.

- Running boards, steps, and all walking surfaces are aluminum diamond safety tread meeting NFPA standards for anti-slip.
- Electric trailer brakes with on-board battery for breakaway protection.
- Two (2) secured safety chains provided at the tongue area.
- DOT approved lighting and identification package. To include red/white reflective striping around trailer perimeter.
- Wheel chocks provided.
- License plate bracket and illumination at rear of trailer.

## Finish

- Epoxy primer compatible with finish top coat.
- Top finish coat to be two (2) coats of Red Polyurethane (RAL 3020).

## Options

- Custom colors.
- Nozzle flow rates.
- Alternate monitors.
- Alternate nozzles.
- Alternate water inlet connections.

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