



Combat Support Products, Inc. FoamChariot® I® Data Sheet

FoamChariot® I is a patent pending, compact, self contained, rapid deployment asset designed for plug and play firefighting and spill security where truckload or railcar quantities of crude oil, ethanol and ethanol / gasoline blends are involved in fire or spills.

FoamChariot® I is designed for fire departments having little storage space, limited towing capacity and tight budgets. FoamChariot® I can be towed with a 1/2 ton SUV and stored in a 6.5 ft. space with tongue stowed under. FoamChariot® I can be stored outdoors when equipped with an optional heat wrap and UV resistant cover.

FoamChariot® I's consolidated frame and tote retaining scheme is key to this unit's patent pending, compact, 6'5" ft. storage footprint, which include: four point leveling and a single, 5000 lb. torsion axel with electric brakes. FoamChariot® I is rated at highway speed, carrying 275 or 330 gal. of alcohol resistant foam concentrate.

FoamChariot® I comes standard with a 500 or 750 gpm foam monitor. Optional firefighting equipment includes: self-flushing hand-line eductors and nozzles with provisions for a dismounted, oscillating foam ground monitor. Other options include: two weather tight, triple hinge hose/storage cabinets; night operation lights, NFPA visibility package and a foam concentrate transfer pump.

When equipped with remote control option, FoamChariot® I's monitor can be safely operated at a distance of 600 ft. Front or rear mounted firefighting station operates at ground level, eliminating the traditional, climb-on operators deck. FoamChariot® I's firefighting station includes two LDH supply inlets, two, 2.5" discharges, pressure relief valve and a four device foam connection manifold with a valved tank fill/ transfer connection.



Entrapment with 3000 gal. gasoline spilled



Foam Concentrate Selection

FoamChariot® I's single tote design was developed to maximize on scene time at half the weight and storage space needed for a typical 17 to 20 ft., dual tote or poly tank trailer that use 3-6% AFFF. When used with 1-3% AR-AFFF on gasoline or crude oil at 1%, run time is 66 minutes. When used at 3% on ethanol, run time is 22 minutes.

Foam quarter life is key to economy of use when it comes to water needs and concentrate use when dealing with post fire security at long term vapor management missions associated with crash and large spill events that last for hours. National Foam Universal Gold's 1-3% staying power (quarter life) is 20-25 minutes at 3% and almost one hour at its 6%, super suppression setting.

Universal Gold is U.S.C.G. approved with U.L. 1% and 3% listings for use on hydrocarbon fuel (crude oil) spills, using fire department (type III) firefighting appliances. Additionally, due to Universal Gold's clean, low fluorine formulation it can be used at 1/2% as a wetting agent on class a fuels. Universal Gold uses no federally reportable ingredients in its formulation.

Why a tote trailer?

- Totes are industry standard, fork-lift ready storage and shipping containers.
- Tote trailers are much less expensive than large, heavy poly tank units.
- Totes allow gauging remaining liquid from a great distance.
- A single axel FoamChariot tote trailer can be stored in a six-foot by six-foot space.
- Units are available in single, dual and triple configurations.
- Totes are available in 265 - 275 and 330 gallon sizes.
- Second or third tote can be used for class A firefighting agents or training foam.
- Tote Trailers lend themselves to dual-agent system designs.
- Totes are heatable, allowing use in sub-freezing environments.

Chariot II Airport Nurse



550 gallon nurse

275, 330, 550, 660 or 990 gallon FoamChariot nurse. Transfer pump only, no firefighting station,



23 gpm electric transfer pump kit



Triple hinge hose / equipment storage boxes.



Appliance operations gauge

Manages a 3500 sq. ft. spill fire, or cover a leak.

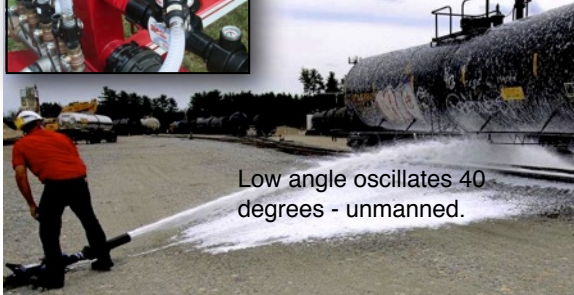


30,000 gal. rail car leak



Dismounted, 300 ft. from FoamChariot's eductor.

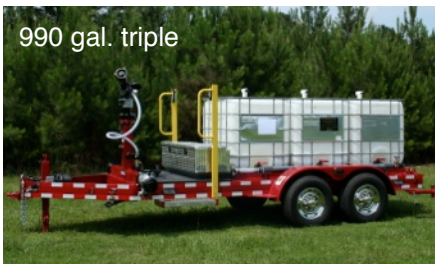
Dismounted foam monitor at gasoline tanker crash.



Low angle oscillates 40 degrees - unmanned.



Rear operations station



990 gal. triple



2400 gal. gasoline with entrapment.



Single 330 gal.





FoamChariot I[®]

Combat Support Products, Inc. Fuquay-Varina, NC - U.S.A.

A division of Cottrell Associates, Inc.

Contact Cottrell Associates, Inc. sales at 800-393-4032
 CombatSupportProducts.Com



NFPA Lights & Stripes

"StowAway" Tow Bar



500 GPM RF Monitor



"BudgetBuggy" < \$18K With Foam



Radio Transfer Pump Kit



Open End Box 0.25" Plate



Two Door Hose/Storage



Auto Tank Vent



Appliance Ops. Gauges

FoamChariot[®] I is a patent pending, compact, stable, self contained, rapid deployment asset, designed for firefighting and spill security where truckload or railcar quantities of ethanol and ethanol / gasoline blends are involved in fire or catastrophic spills. FoamChariot[®] I is designed for fire departments having little storage space, limited towing capacity and tight budgets. FoamChariot[®] I can be towed with a 1/2 ton pick-up or SUV and stores in a 6.5 ft. space with tow bar stowed under. FoamChariot[®] I can be stored outdoors when equipped with freeze protected AR-AFFF. FoamChariot[®] I's consolidated frame and tote retaining scheme is key to this unit's compact, 6'.5" ft. storage footprint, which include: four point leveling and a single, 5000 lb. torsion axel with electric brakes. FoamChariot[®] I is surprisingly stable and rated at highway speed, carrying 275 or 330 gal. of alcohol resistant foam concentrate. Also available in dual-tote version.