

Wilmington N.C. Fire Dept. Foam Firefighting Project

Combat Support Products, Inc.

Delivery Training, August 4-5-6, 2015



990 gallons Universal Gold 1x3% AR-AFFF

Boost Pump
7500 gpm @ 125 psi
5000 gpm @ 150 psi

4000 gpm foam trailer
1-2000 gpm water
1-2000 gpm foam

Foam Trailer Training - © 2015 Combat Support Products, Inc. 800-393-4032



Twin Foam/Water Firefighting Trailers

750-1000-1500-2000 self-inducting foam monitor

300-2000 gpm automatic for cooling or direct water attack

350 gpm eductor driven dismantled ground monitor



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Combat Support Products, Model WI419-3



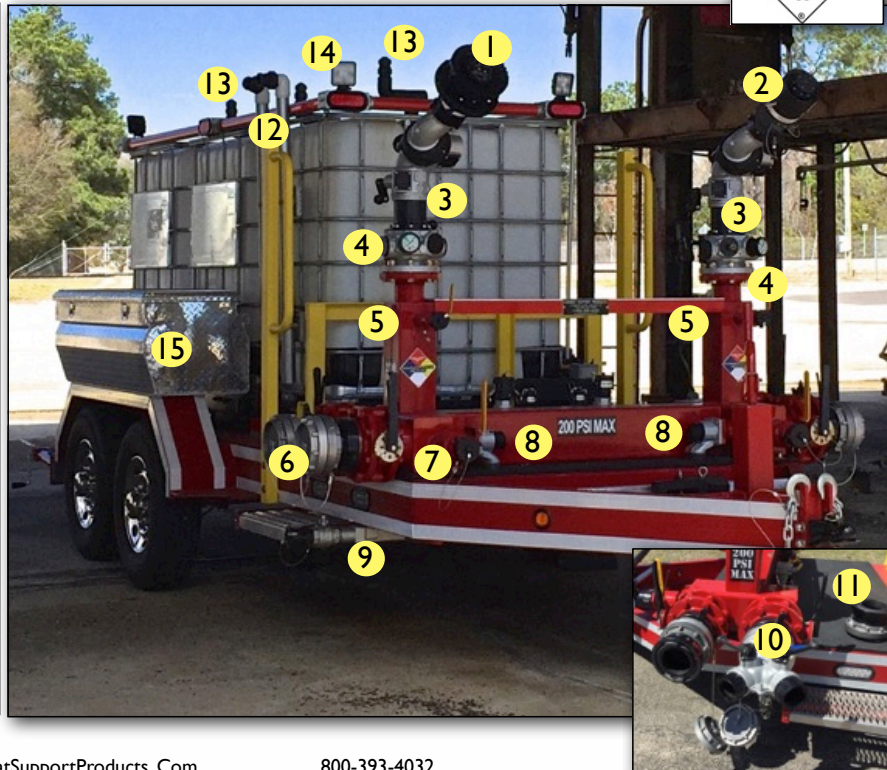
- 19 feet long
- 8 feet wide
- 7 feet high
- Torsion axles (2) 7,000 lb.
- 14,000 GVWR
- Radial, highway rated tires
- Electric brakes (4-wheels)
- NFPA stripes and lights
- Eight-inch frame rails
- 0.25" steel deck
- Eight-inch water plumbing
- 3-330 gal. IBC tote tanks
- Three-inch foam plumbing

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Components

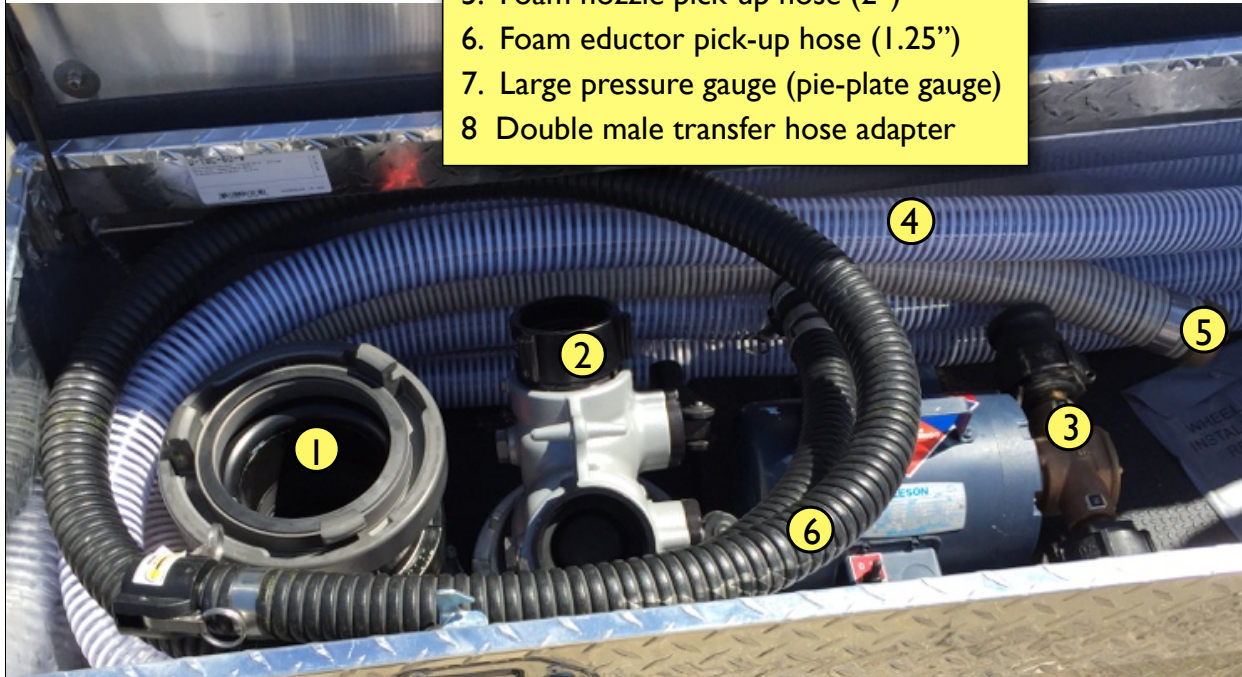


1. Automatic nozzle, 300-2000 gpm for cooling, 250 ft. - 300 ft. reach.
2. Quad flow foam nozzle: 750-1000-1500-2000 gpm.
3. Monitor valve (2)
4. Pressure gauge (2)
5. 1.5" discharge (2)
6. Six-inch LDH inlets (4)
7. 2.5" Blitzfire discharge (2)
8. Pressure relief valve on 8" manifold, set at 200 psi (2)
9. Foam transfer valve 2" (3)
10. Storz X 2.5" wye
11. Six by five adapter (2)
12. Two transfer pump dip tubes (stinger).
13. Auto tank vent (3)
14. LED flood light (4)
15. Eq. storage box

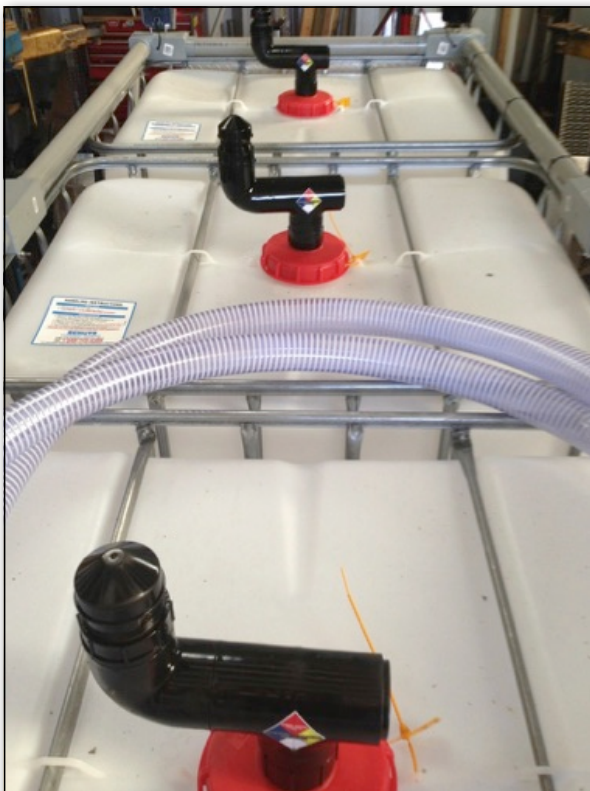


Storage Box Inventory

1. Six by five inch storz adapter
2. Gated wye (6" stz..)
3. Foam transfer pump; 23 gpm, 120 volt.
4. Transfer hose (2 - 12 ft.) for pump.
5. Foam nozzle pick-up hose (2")
6. Foam eductor pick-up hose (1.25")
7. Large pressure gauge (pie-plate gauge)
8. Double male transfer hose adapter



AutoVents



Equipped with special two-way vent valves located on tank lids which allow air to replace foam concentrate when draining.

Inspect it every six months to insure it is not clogged with dry foam.

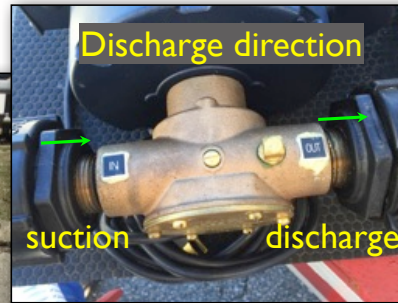
Failure to do this can result in a collapsed tote tank and or foam flow interruption.

If in doubt, unscrew tank cap before operating foam devices.



Foam Transfer Pump

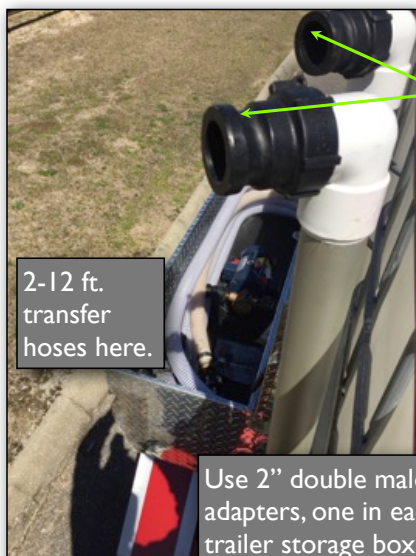
Twenty-three gpm, 110 volt / 11 amp



Self priming pump with rubber impeller, do not run it dry for more than five seconds.

Impeller is replaceable. located under round, brass end plate. Keep one in stock.

Transfer Pump Accessories



Drum and tote stinger wands, long enough to reach bottom of 330 gal totes.

Use these to fill tanks through the top, stinger to bottom. Fill from bottom up.

2-12 ft.
transfer
hoses here.

Use 2" double male adapters, one in each trailer storage box to make a long intertrailer nurse hose.





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23 gpm / 26 psi
Dry prime 20 to 22 ft.
115 volt, 3/4 Hp TEFC Enclosure
Thermal overload
On board switch
Remote RF fob switch
Pump assy. wt. - 37 lbs.
2 - 2' x 12 ft. hoses / cam-lock
2 - Drum / tote stingers



Operating this self-priming foam concentrate transfer kit:

All components are foam concentrate friendly. Pump is designed for very viscous fluids. **DO NOT PUMP FLAMMABLE LIQUIDS**

1. Do not run the pump dry for more than a ten seconds - the rubber impeller doesn't like friction heat.
Put an ounce of mineral oil in pump cavity after fresh water flush. Flush till foaming stops.
2. Use no shut-off valves. This is an open end system. Control flow by switching the motor on and off.
We provided a radio remote control fob switch for a lone operator who may be on top of the rig monitoring concentrate level.
3. To avoid foamy overflows, always fill foam concentrate tanks from bottom up. Use second drum stinger to fill apparatus foam tank.
This is particularly important when filling alcohol resistant ('B') foam cells, as air entrainment (frothing) can last several weeks.

Smaller, 1.25" hose is available for the discharge side of the pump, which can make lone refills a little easier when it comes to hose handling. Two ten-foot pieces and a small diameter tank stinger are available. Something you can make up yourself.

4. A direct tank fill valve (by others) can be installed on existing apparatus for onboard refills.

Replacement parts are off the shelf items. We usually have a couple impellers in stock.

Call 919-815-0103 or 919-414-5360 113011/7P

Keep tanks evenly filled with foam concentrate

It is important to keep liquid weight evenly distributed across both axles. Tongue weight (load on tow vehicle's hitch) will be affected by how evenly the tanks are loaded.



Trailer Empty - 4000 lbs. +/-
Trailer Loaded - 13,000 lbs. +/-

