

Fire Decontamination Units



Fire / Decontamination Unit Features

- 2000 gpm Hale centrifugal fire pump
- 900 gallons temperature controlled potable water
- 200 gallons combination Class A/B foam concentrate
- "Round the Pump" foam proportioner
- Top mount turret
- 2 - 2 1/2" ground monitors
- 500 lb. "Purple K" dry chemical vessel
- 2 - 30lb "Purple K" dry chemical fire extinguishers
- 3 man decontamination bay
- 100% gray water recovery
- Patient recovery bunk
- 2 - 4500 psi fire service SCBAs (Self Contained Breathing Apparatus)
- Complete inventory of firefighting equipment
- Complete inventory of corrosive resistant PPE
- 1-4 gas personal monitor

**All B.O.S.S. Combination and Decontamination units meet ANSI specifications.*



Decontamination Shower Trailers



Decontamination Shower Trailers Features

- Single or 3 head configuration
- 300 or 900 gallons of temperature controlled potable water
- 1 or 3 man decontamination bay
- 100% gray water recovery
- 1 or 3 complete drench showers/eye washes/mid-section drench hoses
- Electric heating and lighting
- Simple one step operation
- Stabilizer jacks
- Complete inventory of corrosive resistant P.P.E.



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Compressed Air Foam Systems

A truly “self-contained” system with absolutely no external resources needed to operate, and ready for immediate discharge.

IDEAL FOR INVERT DRILLING OR HOT REFUELLING



16 Gallon Cart



21 Gallon Horizontal/Mount



30 Gallon Skid Unit



60 Gallon Skid Unit



100 Gallon Skid Unit



200 Gallon Skid Unit

What is C.A.F.S.?

C.A.F.S. is a foam system that has the added ability to inject compressed air into a foam solution generating a product that is referred to as compressed air foam. This type of foam has a tighter, denser, more uniform and stable bubble structure than standard foam solutions. This bubble structure helps the foam adhere to vertical and overhead surfaces, and penetrate fire deeper before the bubbles are broke down allowing the latent water to be much more effective.

What is a Stored Energy Compressed Air Foam System?

This is a term used to describe the method to dispense the C.A.F.S. it utilizes compressed air or nitrogen instead of pressurized air from an air compressor. A truly “self-contained” system with absolutely no external resources needed to operate, and ready for immediate discharge.



How it works

Compressed Air Foam is so effective because it truly attacks all sides of the fire tetrahedron smothering the fire with a “uniform foam blanket” depleting oxygen and preventing it from combining with the fuel.

- Cools the fire by removing its energy through evaporation of the water then increases in temperature as it absorbs the heat of the fire turning to steam
- Diminishes heat by insulating, using the trapped air within the bubbles and reflecting radiant heat preventing excess heat from adding to the fire.
- Air trapped in the bubbles act as insulating material absorbing heat and preventing it from igniting adjacent fuels. This is a gradual process where the foam acts as a reservoir, releasing the water at a rate that allows the fuel to absorb it instead of running off.
- Prevents additional fuel from reacting with the fire by providing a barrier.

C.A.F.S. has been shown to “disrupt” the chemical reaction required for the fire to continue.

Advantages of C.A.F.S.

- Less water usage
- Less foam usage
- Less clean-up
- Less ground disturbance
- Less environmental impact
- Greatly reduces time, effort, and resources
- ULTIMATELY- Less Cost
- Sticks to vertical and overhead surfaces
- Hoses are much lighter and float making them easier to handle and therefore require less effort and manpower
- Can be pumped over a much longer distance and greater height at a given pressure
- For use with ALL types of foam
- The most effective method of controlling and extinguishing a fire

Portable Fire Pumps



Portable Fire Pump Features

- Two cylinder four-stroke engine
- 500 gpm centrifugal fire pump
- 1 - 4.0" suction
- 2 - 2.5" discharges
- Automatic piston priming pump
- Lighted panel
- Detachable spotlights
- Cavitation alarm
- Inventory of firefighting equipment
- Trailer mounted

Dry Chemical Units



Dry Chemical Unit Features

- 1500 lb Purple K
- 4 - 300 cubic foot N2 cylinders
- Dual reels
- 200' hose
- Trailer mounted

H2S Protection



Air Trailer Features

- 8 4500 psi breathing air cylinders
- 2 4500 psi SCBA's (Self Contained Breathing Apparatus)
- 6 SABA's (Supplied Air Breathing Apparatus)
- 900 ft breathing air hose
- H2S gas detector, "Rae" pump style c/w complete inventory of tubes
- 2 manifolds
- 2 regulators
- Re-charge line
- Pistol c/w flares
- Stretcher
- First aid kit
- H2S warning sign, briefing area signs, wind socks, poles, and flags
- Hose hanger c/w tripod
- Hose hangers

Personnel Available Include

- H2S Safety Supervisors
- Resident Notification/Evacuation Teams
- Rover Personnel
- Road Block Personnel
- Project Safety Coordinators
- Safety/Fire Watch
- Shift Supervisors
- Equipment Technicians
- Tower Rescue Personnel

