

Engine 863 Foam System

[Last Revision: April 24th, 2016]

Foam System Specifications:

FoamPro system

30 Gallon onboard foam tank [Filled with Class A foam]

Foam discharges: Both preconnects and the rear discharge.

Controls: Located on the pump panel.

- Select Button: Switches between GPM, Total GPM, Foam %, and Total Foam on the display screen.
- On/Off Button: Turns the foam system on and off.
- Arrows: Increase or decreases the foam percent being discharged by the system

Beginning foam operations:

- Begin flowing water from one of the foam discharges with a fog nozzle or air-aspirating foam nozzle.
- Push the On/Off button on the foam control panel to begin flowing foam
- Select the desired foam percent

Shutting down foam operations:

- Push the On/Off button on the foam control panel to turn off the system
- Continue flowing water through the hoseline until water is being discharged without foam bubbles

Refilling the onboard foam tank

- Tank fill port is located under the hose tarp
- Gather foam concentrate that matches foam already in the system
- Pour foam concentrate from container into foam tank using the fill tube. When filling, the fill tube should be used to help eliminate aeration of the foam. The fill tube keeps most of the air bubbles in the tube and allows the foam to enter from below. Using a street cone as a funnel helps too.
- Always pour slowly, and steady. Don't let the foam "glug" as you pour it. This adds air to the concentrate and makes a lot of bubbles. If the fill tube is removed, and you pour the foam on top of what is currently in the tank, you will make even more bubbles. Your goal is to fill the tank with liquid, not bubbles.
- Keeping the tank filled about 1/3 to 1/2 full in to the dome ensures a full tank and allows for less exposure to air.

References:

Pierce Foam Training Manual – 2012 - PM-F-TM510-0212