

# TRAINING & SAFETY DIVISION

**PALM BEACH COUNTY FIRE RESCUE**

## **QUICK SKILLS**



### **FT-100 Antari Fog Machine Operation**

**Standards:** American National Standards Institute

**JPR:** It is essential that all PBCFR employees follow these guidelines to keep the fog machines in proper working order.

**Indications:** Fog machines are capable of creating enough “smoke” to simulate an IDLH during firefighter training.

**Limitations:** The fog machines must stay dry. Keep the machines inside the structure, and protected from fire streams at all times.

#### **Steps for fog machine operation**

**Step 1:** Place the fog machine on a flat surface, and ensure that the reservoir tank is full of fluid prior to use.

**\*\*\* When filling the reservoir, you must remove the reservoir tank prior to filling. A rag and a funnel are stored with the training smoke fluid. The fluid is extremely corrosive, and may cause severe damage to the machines.\*\*\***

**Step 2:** Insert the power cord into the slot with the yellow tab in the 10 o'clock position and twist clockwise. You will hear the yellow tab click into place when the plug is seated correctly.



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**Step 3:** Turn the machine on using the red on/off switch. The LCD screen will now read "Warming Up". Be advised it may take up to 15 minutes for the machine to warm up. Antari FT-100 fog machine



**Step 4:** When the LCD screen reads "Ready to Fog," you may proceed to the next step.



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**STEP 5:** Press the Timer button once to make fog come out, this will take up to 25 seconds, **DO NOT TOUCH ANYTHING ELSE!!!** Once fog starts, it will fog for 25 seconds and stop for 25 seconds. At this time it is warming back up and will start again.



**Step 6:** To stop or pause the flow of fog, press the “VOLUME” rotary dial once. To resume the flow of fog, press the “TIMER” rotary dial once

**Step 7:** When operations are complete, stop the flow of fog pressing the “VOLUME” rotary dial once. Turn the machine off using the red on/off switch. Pull back on the yellow tab, turn counter-clockwise, and remove the power cord. Fold and stow the power cord in the handle of the reservoir tank.

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### Where to find the fog machines at PBCFR's Training Division



PBCFR's Training Division has several fog machines. Two machines are stored in the garage at the West side of the training tower. Two machines are stored in the connex next to the burn building on the hill.

Please advise Training Division staff if you intend to use the fog machines. Also, if you have any problems with the machines, or find a fog machine is not in proper working order, please notify Training Division staff immediately at [gbood@pbcgov.org](mailto:gbood@pbcgov.org) or [jshipe@pbcgov.org](mailto:jshipe@pbcgov.org). The PBCFR Training Division recommends that you wear, at a minimum, a department issued half-mask any time you are working in a fog filled environment.



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