

# TRAINING & SAFETY DIVISION

## PALM BEACH COUNTY FIRE RESCUE

### QUICK SKILLS



## M- Series Antari Fog Machine Operation

**Standard:** 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 20 minutes for the machine to warm up.



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



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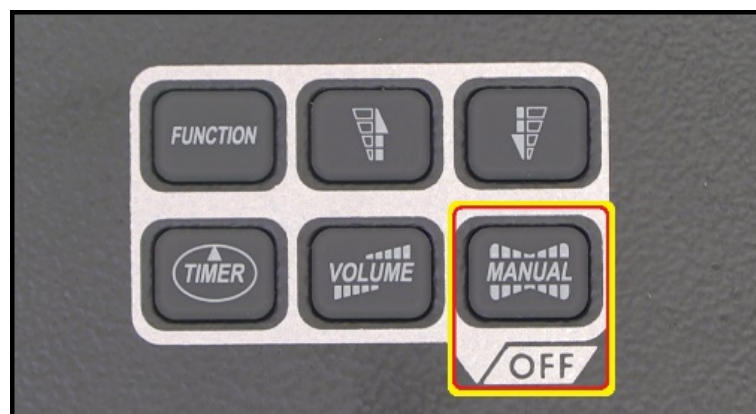


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**Step 5:** When the LCD screen reads “Ready To Fog”, press Timer button. **DO NOT ADJUST ANY SETTINGS!!** Once the timer button has been pressed, countdown will begin and fog will start. Fog will produce for 25 seconds and then will stop for 25 seconds. It will repeat the cycle allowing it to warm back up.



**Step 6:** To stop or pause the flow of fog, press the “MANUAL” button once. To resume the flow of fog, press the “TIMER” button once, and fog will again flow following a pattern of 25 seconds on, 25 seconds off.



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\*\*\* At NO TIME should you press the “VOLUME” button. This causes fog to flow non-stop, which overheats the machine, and will burn up the pump. \*\*\*



**Step 7:** When operations are complete, stop the flow of fog by pressing the “MANUAL” button 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 up 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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