



SYSTEMS, INC.

Air Cap Cleaning Procedure

Purpose: The purpose of this document is to establish a cleaning procedure to be used for air caps.

Background: Each EFC air cap is manufactured to tight tolerances. From our own in-house testing to customer support, we have found that maintaining these tight tolerances is very important in the proper performance and operation of the air caps.

Procedure:

1. After the air cap has been taken out of operation and removed from the atomizer, clean the entire cap with a soft bristle brush (tooth brush) and solvent or a soft, lint free cloth and solvent.
2. **DO NOT** use pins or wires to clean out the holes in the air cap. Distorting or enlarging the size of these holes will affect the performance of the cap and the resulting fan pattern.
3. Place the air cap in an ultrasound machine. The cap should be left in the machine for a minimum of one (1) hour, preferably during the off shift.
4. Remove the cap from the ultrasound machine and clean it once again with a soft bristle brush as needed.
5. Use clean and filtered compressed air to dry the cap.
6. Use a high powered zeon fiber optic light to visually inspect all of the air cap holes. All of the air cap holes should be free of paint and other debris. Also, inspect the air cap for any damage and replace if necessary.