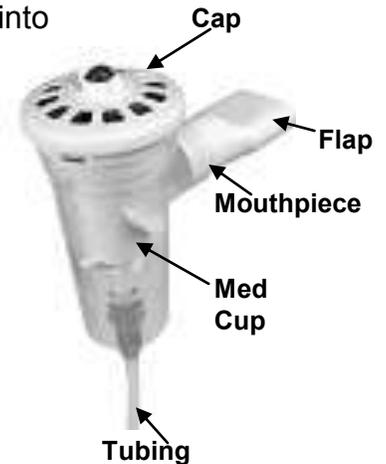


Breath Actuated Nebulizer (BAN)

What is a breath actuated nebulizer (BAN)?

The BAN turns liquid medicine into a fine mist. The mist is breathed into the lungs. The BAN works in 2 modes:

- **Breath actuated mode.** This mode turns on and off with each breath your child takes. Use this mode if your child can follow directions and take slow deep breaths throughout the treatment. This usually occurs by the time your child reaches 4 or 5 years of age.
- **Continuous mode.** This mode stays on all the time during the treatment. Use this mode if your child is not able to follow directions or cannot take slow deep breaths.



How are the treatments done?

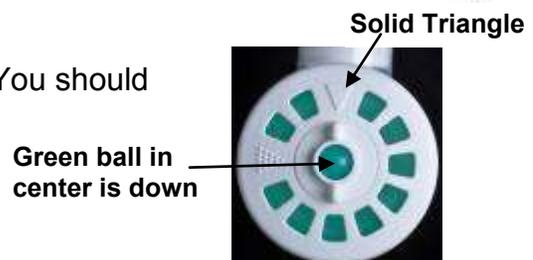
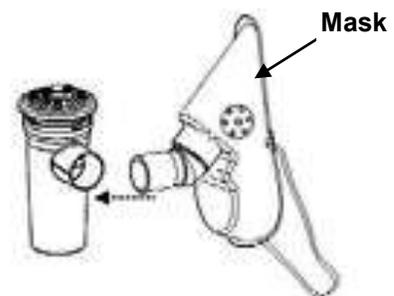
Before starting either mode, follow these steps.

1. Wash your hands with soap and water before using the BAN.
2. Plug the machine into a power outlet.
3. Untwist and remove the cap from the BAN med cup.
4. Put the medicine into the BAN med cup.
5. Screw the cap onto the BAN med cup.
6. Attach the tubing to the bottom of the med cup and your machine.

Continuous Mode with a mask:

A mask must be used in this mode.

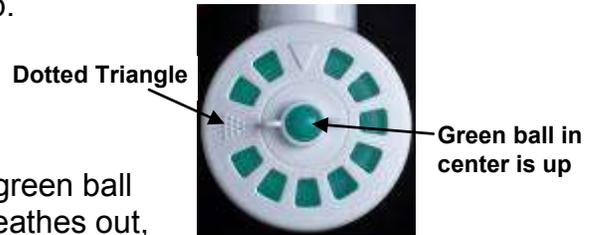
1. Connect the mask to the side opening of the BAN med cup.
2. Turn the dial to the **solid triangle**. This will push the little green ball in the center of the cap into a downward position.
3. Put the mask on your child's face.
4. Turn on the machine and watch for the mist. You should see a constant stream of mist.
5. Your child should take normal breaths until all the medicine in the BAN med cup is gone.



Breath Actuated Mode with the mouthpiece:

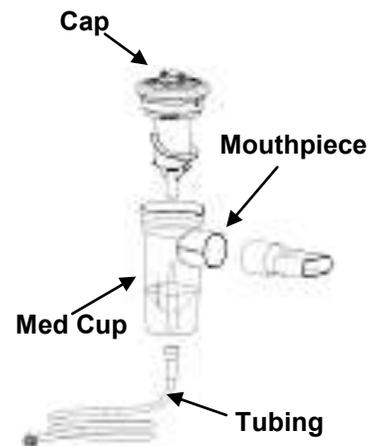
A mouthpiece must be used in this mode.

1. Connect the mouthpiece to the side opening on the BAN med cup. The flap should face down.
2. Turn the dial on top of the BAN med cup to the **dotted triangle**. The green ball in the center of the BAN cap should be popped up.
3. Put the mouthpiece in your child's mouth.
4. Turn on the machine and watch for the mist.
 - Each time your child takes a breath, the green ball will move down. Every time your child breathes out, the green ball will pop up.
 - You will only see the mist when your child breathes in. You should hear a click sound with every breath.
5. Your child should continue to take slow deep breaths until all the medicine in the BAN med cup is gone.

**How do I clean the BAN?**

You should clean your BAN before the first use and between each treatment. The mode switch should be on the **dotted triangle** for both washing and drying cycles.

1. Remove the tubing from the bottom of the BAN.
2. Gently untwist and remove the BAN top and mouthpiece from the BAN cup. Wash the BAN parts in a warm water and liquid dish detergent solution.
3. Rinse in clean, warm water and shake out excess water.
4. You may also wash BAN parts **except the tubing** in a dishwasher. The parts should go in a basket in the top rack of a dishwasher. Wash in a normal wash cycle. When the wash cycle is done, remove the parts from the basket, shake out any left over water and let them air dry.
5. After washing: Let the BAN parts air dry completely (at least 30 minutes) before putting back together. You can also dry the parts with a clean, lint-free cloth before putting it back together.



ALERT: Call your child's doctor, nurse, or clinic if you have any questions or concerns or if your child:

- Feels shaky or has a very fast heart beat after the treatment.
- Still has problems breathing after using the nebulizer.
- Has special health care needs that were not covered by this information.

This teaching sheet is meant to help you care for your child. It does not take the place of medical care. Talk with your healthcare provider for diagnosis, treatment, and follow-up.