

# The humidification system

## What is a humidification system?

The humidification system includes a flow generator, heater, and oxygen adapter. Together, the parts deliver warm, moist air and oxygen to your child's trach tube. This air helps keep the secretions thin. Secretions in the lungs can block the trach tube if they are too thick.

### 1. MyAirvo2

#### Purpose

This machine is where air flow comes from. The air travels through the heater, and delivers the warm, moist air to your child. This machine can also deliver oxygen.

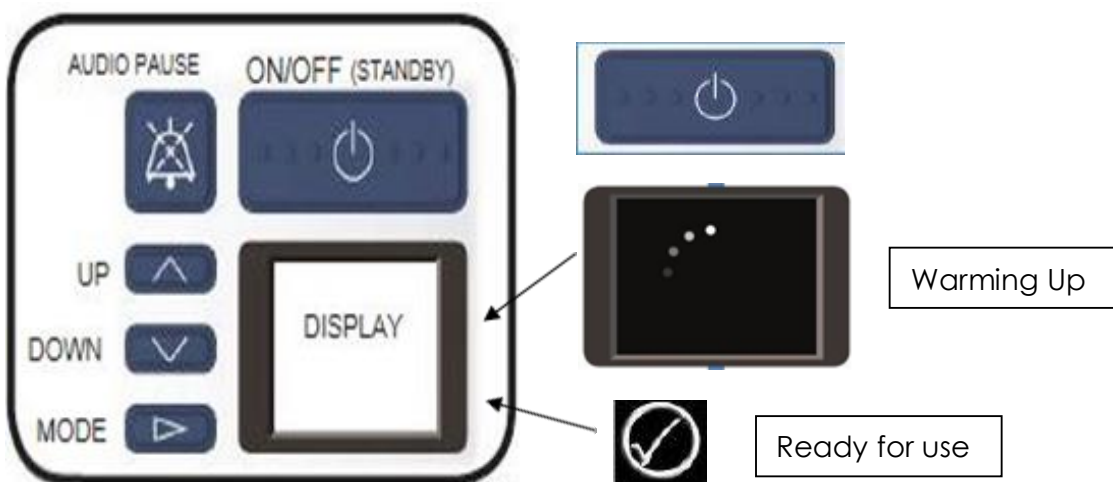
#### Guidelines

- Keep the device free from dirt and dust.
- Keep curtains and bedding away from the device.
- Do not put the device against the wall. Do not block the filter.
- Do not smoke near this device
- Keep the device on a smooth, flat surface.



#### Procedure

- Attach breathing circuit and filled water chamber before powering on.
- Turn on your device. It will begin to warm up.
- Wait until the "ready for use" symbol appears on the screen.



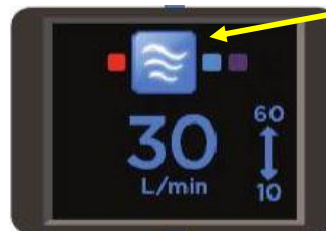
## Heater

- 3 target temperatures:
  - a. 37 degrees C- Ideal
  - b. 34 degrees C- if compliance at 37 degrees is a problem
  - c. 31 degrees C- for face mask only



## Flow

- 10-25LPM- increments of 1LPM
- 25-60- increments of 5LPM
- Note: trach collar use- 10-20LPM



## Drying Cycle

- Press and hold the ON/OFF button for 3 seconds, a melody sounds, this will start the drying cycle.
- The cycle runs for 99 minutes.
- Make sure the child is not wearing the device while the cycle is running.
- The device will automatically turns off once the drying cycle is complete.
- To turn off the MyAirvo2 without running the drying cycle, press and hold the ON/OFF button for 5 seconds.
- This cycle will help to keep your tubing clean, and help to keep the circuit working its best.



## Troubleshooting

1. Is the device plugged into the outlet?
2. Is the electrical outlet working?
3. Is the filter clear and clean?
4. Is the correct flow set?
5. Is the correct pressure set?
6. Are you in the correct mode?
6. If the MyAirvo2 still does not work, call your home healthcare provider.

### 3. Circuit (tubing) set up

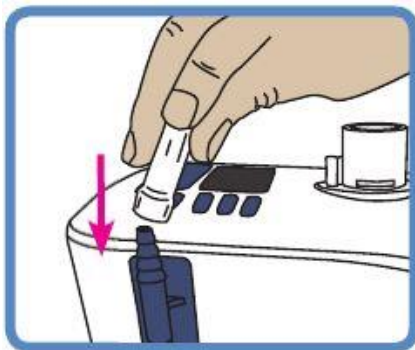
#### Supplies

- Trach collar (mask) OR Direct connect adapter
- Package of corrugated tubing with wire
- Water chamber
- Bag of sterile water
- Oxygen tubing, if your child is on oxygen

#### Changing the circuit

1. Run Drying Cycle between uses, 99 minutes.
2. Change the circuit as instructed by your home care provider.

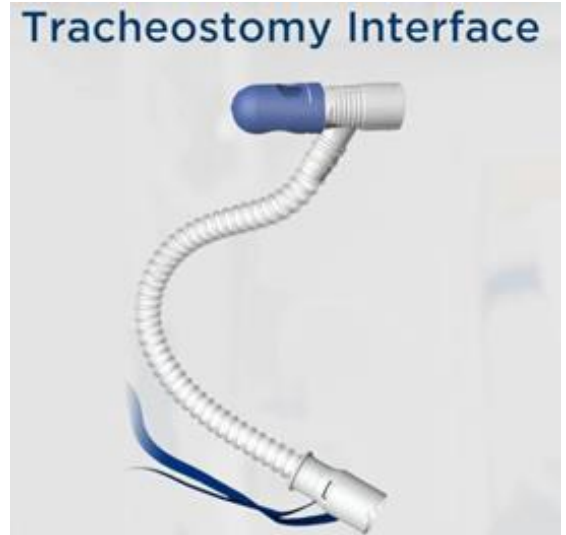
#### Oxygen Chart



		myAIRVO 2 Target Flow Setting (L/min)										
		10	15	20	25	30	35	40	45	50	55	60
Oxygen Flow (L/min)	1	29	27	25	24	24	23	23	23	23	23	22
	2	38	32	29	28	26	26	25	25	24	24	24
	3	45	37	33	31	29	28	27	26	26	25	25
	4	53	42	37	34	32	30	29	28	27	27	26
	5	60	48	41	37	34	33	31	30	29	29	28
	7	75	58	50	44	40	37	35	34	32	31	31
	10	93	74	61	54	49	45	42	39	37	36	35

#### Special directions

- If any water collects in the corrugated tubing, drain it away from your child.
- The corrugated tubing should always be kept below the level of your child's chest (not draped over a crib railing or pack 'n play).
- Always have a supply of inhalation water for the humidifier.



**NOTE:**

- Refer to Oxygen teaching sheet [#3054](#) if your child requires the use of supplementary oxygen.
- Refer to HME teaching sheet #3034 for information on portable humidity setups.

**ALERT:** Call your child's doctor, nurse, or clinic if you have any questions or concerns or if your child has special health care needs that were not covered by this information.

**This sheet was created to help you care for your child or family member. It does not take the place of medical care. Talk with your healthcare provider for diagnosis, treatment and follow-up.**