RankenJordan
PEDIATRIC BRIDGE HOSPITAL

BiWaze Cough Assist with a Mask

BiWaze Cough System

Masks

The BiWaze Cough Assist device removes mucus or secretions from the lungs through mechanically applied pressure. The machine will provide pressure on both inhalation and exhalation imitating a natural cough. It is a very effective treatment to reduce the risk of retained mucus which could lead to a lung infection.

How is the cough assist connected to you child?

The cough assist tubing can be attached directly to the appropriately sized mask via 22mm adapter.

1. Bacterial Filter
2. Corrugated Tubing
3. 22 x 22mm adapter
4. Mask

Steps to using the BiWaze Cough Assist With a Mask

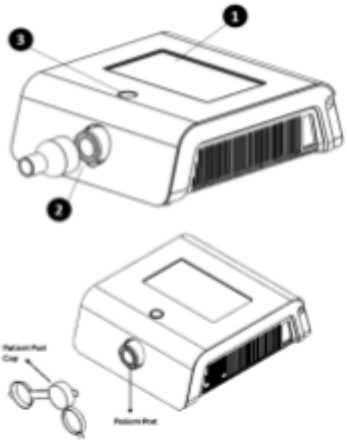
1. Gather all equipment.
2. Gather suction supplies.
3. Place your child in an upright sitting position, as tolerated.

With a Mask

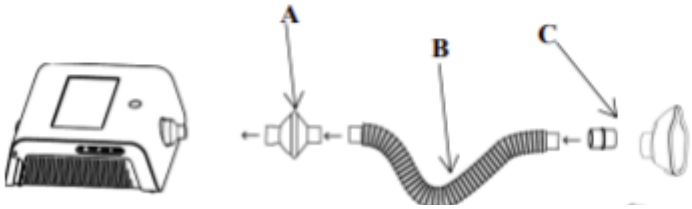
1. Power on the cough assist and check the settings/pressures as determined by your child's physician.
2. Place mask firmly on face and start the treatment by pressing **Therapy** (button or touchscreen start). The cough assist will then cycle automatically from inhalation (+ pressure) and exhalation (- pressure), then pause before the next breath is delivered.
3. Continue this in/out breath cycle for 5 cycles. If there are visible secretions in the mask during this time, remove mask and suction.
4. After 5 completed in/out cycles remove the mask and put the cough assist on standby/pause.
5. Suction the mouth/nose and allow your child to resume normal breathing.
6. Repeat the steps above 3 to 5 more times as needed to clear secretions.
7. After the treatment is complete: power off the cough assist and make note of the date, time, quantity/consistency of your child's secretions.

BiWaze Cough System

Sl No	Item	Description
1	Touch Screen	The touch screen allows you to view and edit therapy settings, system status information, real-time patient data, and logs.
2	Patient Port and Patient Port Adapter	The breathing circuit is connected to this port for therapy delivery through the patient port adapter.
3	Device Mode Button with LED	This LED light provides different color code lights. Green: Manual Mode Blue: Auto Mode Red: Error or shutdown mode The button within the LED light provides the ability to Start and Pause therapy.



Sl No	Item	Description
1	Handle	Handle to carry the device
2	Power source switch	Cuts off AC mains and battery power to the main processor
3	AC Power Inlet	AC power cord connection



A. Bacterial Filter
B. Corrugated Tubing
C. 22mm connector & mask

Device Left Side Device Right

Sl No	Item	Description
1	Foot Pedal port	Connection port for Foot Pedal
2	HDMI port	External HDMI display
3	USB ports	Connection for USB Flash drive
4	Air outlet	Outlet port for expiratory air
5	Power supply cooling Fan location	Cooling fan for the power supply
6	MCB Fan	Main control board fan
7	Air Inlet Filter	Inlet port for inspiratory air

Cleaning and maintenance

The device:

Wipe the outside of the cough assist with the following cleaning materials:

- Clean cloth with water and mild detergent
- 70% Isopropyl alcohol

The breathing circuit and bacteria filter:

- After each use, the circuit should be washed thoroughly with mile liquid detergent and water. Make sure the parts are dried completely before connecting to the cough assist again.
- The bacteria filter cannot be washed and should be replaced when blocked with mucus or moisture.
- Replace the adaptors if they become broken.

The air filter:

- The air filter should be cleaned every 2 weeks and replaced every 6 months with normal usage.
- Make sure device is disconnected from power source

    - Remove the filter from enclosure
    - Examine the filer for cleanliness and integrity
    - Wash the filter in warm water and mild detergent. Rinse thoroughly.
    - Allow the filter to air dry completely. Only BiWaze filters should be used as replacement filters.
    - Reinstall the filter.

Your Child's Settings:

Preset 1

Mode:		☐ Manual	☐ Automatic
Pause Pressure:		_____ cmH_2O	
Inhale pressure:		____ cm H_2O	
Inhale flow:	☐ Low	☐ Medium	☐ High
Inspiratory time:		____ sec.	☐ NA
Exhale pressure:		____ cm H_2O	
Expiratory time:		____ sec.	☐ NA
Pause time:		____ sec.	☐ NA

Preset 2

Mode:		☐ Manual	☐ Automatic
Pause Pressure:		_____ cmH_2O	
Inhale pressure:		____ cm H_2O	
Inhale flow:	☐ Low	☐ Medium	☐ High
Inspiratory time:		____ sec.	☐ NA
Exhale pressure:		____ cm H_2O	
Expiratory time:		____ sec.	☐ NA
Pause time:		____ sec.	☐ NA

Preset 3

Mode:		☐ Manual	☐ Automatic
Pause Pressure:		_____ cmH_2O	
Inhale pressure:		____ cm H_2O	
Inhale flow:	☐ Low	☐ Medium	☐ High
Inspiratory time:		____ sec.	☐ NA
Exhale pressure:		____ cm H_2O	
Expiratory time:		____ sec.	☐ NA
Pause time:		____ sec.	☐ NA

Recommendations:

To Learn More:

- Respiratory Care 314-684-1495
- Ask your child's Healthcare Provider
- https://abmrc.com/biwaze/