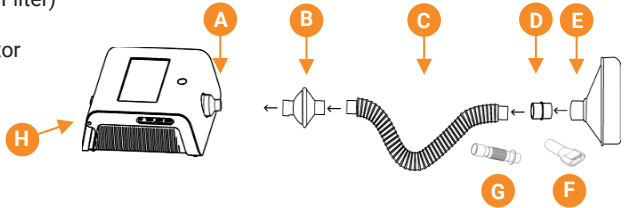


### Prepare for therapy with a standard breathing circuit

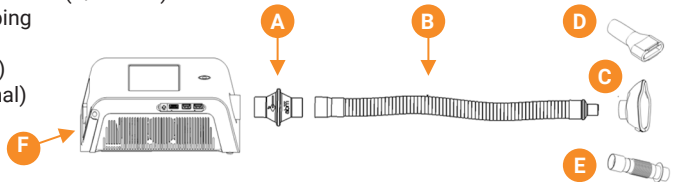
- A. Patient Port Adapter (included with the control unit)
- B. Bacterial/Viral Filter (B/V Filter)
- C. Breathing Tubing
- D. Patient Interface Connector
- E. Face Mask (optional)
- F. Mouthpiece (optional)
- G. Trach Adapter (optional)
- H. Power switch



1. Attach one end of the breathing tube (C) to one end of the B/V filter (B).
2. Attach the other end of the B/V filter (B) to the patient port adapter on the control unit (A).
3. Connect the other end of the breathing tube (C) to the patient interface connector (D).
4. Connect the appropriate patient interface (E, F, G) to the patient interface connector (D).
5. On the back of the control unit, locate the power switch (H). Flip the power switch to the ON position. The system will conduct a power-on self test and calibration during start-up.

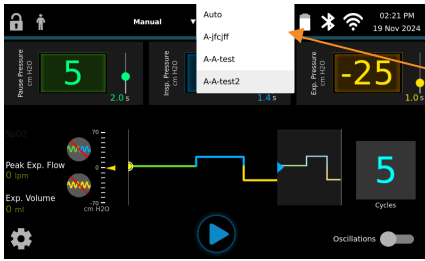
### Prepare for therapy with a BiWaze Cough Dual Lumen breathing circuit

- A. Coaxial Bacterial/Viral Filter (B/V Filter)
- B. Coaxial Breathing Tubing
- C. Face Mask (optional)
- D. Mouthpiece (optional)
- E. Trach Adapter (optional)
- F. Power Switch



1. Attach the larger end of the coaxial breathing tube (B) to the end of the coaxial B/V filter (A) that has the company logo.
2. Attach the other end of the B/V filter (A) to the patient port of the control unit.
3. Connect the smaller end of the coaxial breathing tube (B) to the appropriate patient interface (C, D, E)
4. On the back of the control unit, locate the power switch (F). Flip the power switch to the ON position. The system will conduct a power-on self test and calibration during start-up.

# Configure and Delivery Auto Therapy



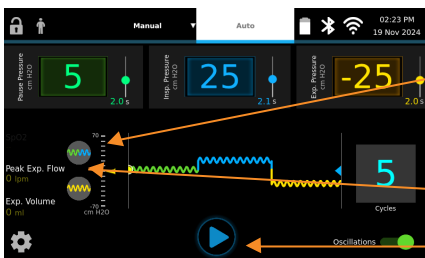
1. The system automatically displays the last therapy used by default. If profiles are set up, you can select a different profile from the dropdown menu under “Auto” on the top bar.



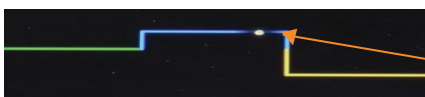
2. You can adjust the therapy pressures and/or duration by pressing the individual boxes for Pause, Inspiratory, and Expiratory.



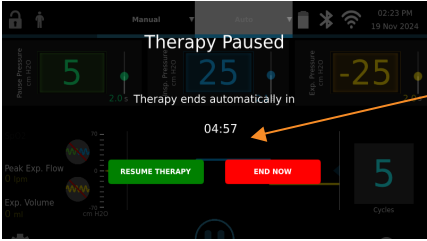
3. The number of cough cycles can be adjusted by pressing in the Cycles box.
4. Oscillations can be turned on or off by pressing the Oscillations toggle.



5. The manometer displays the delivered pressure during therapy. The Peak Expiratory Flow and Expiratory Volume are shown to the left of the manometer.
6. Oscillations can be programmed for pause/ inhalation, exhalation, or both by selecting the corresponding icons.
7. Press the Start button to begin therapy.

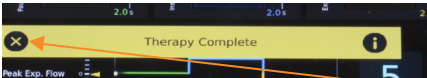


8. The progress bar displays a ball which moves throughout the therapy to visually display the therapy progress.



9. Therapy can be paused at any time. It will remain in the paused state for 5 minutes. The countdown timer on the screen will inform you when the therapy will automatically end. Therapy can be resumed or ended while it is in the paused state.

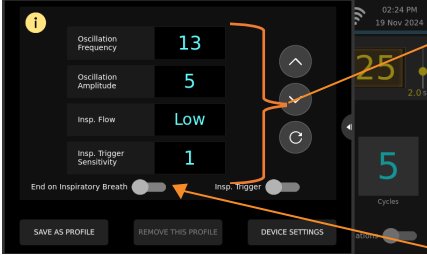
Note: No flow is delivered to the patient while the therapy is paused.



10. After the therapy has ended, a Therapy Complete ribbon will be displayed on the screen. You can view the summary of the therapy by pressing the i icon or close the ribbon by pressing the x icon.

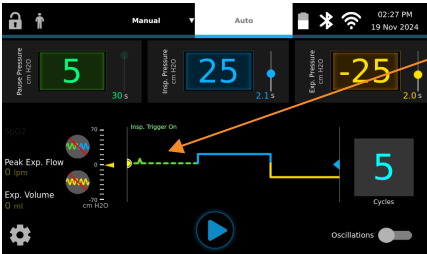


11. Press the settings icon to access oscillation, inspiratory flow, and inspiratory trigger options.



12. Press any of the four settings to edit the value. Oscillation Frequency can be set from 5 to 20 hz. The oscillation amplitude can be set from 1 to 5. The inspiratory flow can be Low, Medium or High, based upon patient comfort. The inspiratory trigger can be set within the range of 1 to 10, with 10 being the most sensitive. The Inspiratory trigger is a toggle, on or off.

13. The therapy can be programmed to end on an inspiratory breath which will be the inspiratory pressure of the last cough cycle.



14. If the inspiratory trigger is turned on, the system will wait for 30 seconds to sense the patient's inhalation breathe. After 30 seconds, it will automatically deliver the set inspiratory breath.

## Cleaning and Maintenance



**WARNING** - Remove the power cord from the control unit and wall outlet before cleaning.

The control unit's exterior surface should be cleaned after each patient use or per facility protocol.

Unplug the control unit from the power source. Clean the panels of the control unit. You can also clean the power cable when it is not plugged in. Use one of the following cleaning agents:

- A clean cloth dampened with water and a mild detergent.
- 70% Isopropyl alcohol or similar alcohol based towelettes used for medical devices with less than 70% Isopropyl alcohol.
- 10% Chlorine bleach solution

Inspect the control unit and power cord for damage after cleaning. Replace any damaged parts. Allow the control unit to dry completely before plugging in the power cord or powering on the system. Allow the power cord to dry completely before plugging it into a wall outlet.

If the device is to be used by more than one patient, the breathing circuit must be replaced. The breathing circuits are single patient use only. The breathing tube and patient interface should be hand washed thoroughly with mild dishwashing detergent and warm clean water or per facility protocol. Place these parts on a lint free towelette to air dry completely before reuse. The B/V filter should be not washed or get wet. If the B/V filter gets wet, it should be replaced with a dry filter.

Under normal usage, you should clean the air inlet filter at least once every one month and replace it with a new one every six months

This device does not require routine servicing.

For detailed Warning and Caution statements, and operating instructions see the BiWaze® Cough System User Manual (BC21084).

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[www.abmrc.com](http://www.abmrc.com) or call customer support: 1-877-ABMRC01 (877-226-7201)