

COUGH ASSIST Information, Maintenance & Safety

The cough assist device helps encourage deep breathing and secretion removal for individuals experiencing difficulty coughing or clearing their airway independently. It works by applying positive pressure to expand the lungs, then rapidly shifting to negative pressure to simulate a natural cough and move mucus out of the airways. The device can be used via face mask, trach tube, or mouthpiece.

Your CareLinc representative has instructed you on the proper care and use of your device and will be available to answer any questions you may have.

Use the cough assist device only as prescribed by your physician. Do not adjust therapy settings without consulting your physician.

1 | BiWaze® Cough — Patient Circuit Components



BiWaze® Cough System — front/top view

#	Component
1	BiWaze Cough Device — Main therapy device
2	Patient Port Adaptor — Connects filter to device patient port
3	Viral/Bacterial Filter — Blocks contaminants; never wash
4	Breathing Tube — Standard 22 mm, 6 ft corrugated tubing
5	Adaptor — Standard 22 mm straight connector
6	Patient Interface — Face mask shown; mouthpiece and trach adaptor also available

YOU WILL BE USING YOUR COUGH ASSIST DEVICE AS YOUR PHYSICIAN HAS PRESCRIBED. IF THERE ARE ANY CHANGES TO YOUR THERAPY SETTINGS OR HOURS OF USE, THEY WILL COME FROM YOUR PHYSICIAN.

2 | CoughAssist T70 — Device Overview

The CoughAssist T70 is a mechanical insufflation-exsufflation device that simulates a natural cough. It gradually delivers a large volume of air to your lungs during inhalation (positive pressure), then quickly reverses flow to pull secretions out (negative pressure). The Cough-Trak feature allows the device to synchronize treatment with your own breathing patterns.



Philips Respironics CoughAssist T70

#	Feature / Control
1	Display Screen — View settings and system status
2	Left / Right Buttons — Select display options and actions
3	Up/Down Button — Navigate the display menu
4	Start/Stop Button — Powers device on or off
5	Manual Switch — Right (+) = inhale, Left (-) = exhale, Center = pause
6	Breathing Circuit Port — Connect patient circuit here
7	Air Filter Inlet — Insert filter supplied with device

3 | Setting Up Your Equipment

Before beginning therapy, assemble the patient breathing circuit and prepare the device as described below.

- (1) Plug the device into an AC power source (or use the detachable battery for the T70).
- (2) Connect the bacterial filter to the device patient port, then attach the breathing tube to the filter.
- (3) Attach the patient interface (face mask, mouthpiece, or trach adaptor) to the other end of the breathing tube using appropriate adaptors if needed.
- (4) Press the Start/Stop button (T70) or toggle the Power switch (BiWaze) to turn the device on. The screen will display your last therapy settings.
- (5) Verify your prescribed pressure and time settings on screen before placing the interface on the patient.
- (6) Always use a new bacterial filter when using the device on a new patient. Ensure all circuit components and the patient port are dry before use.

4 | Operating Your Equipment

Once the circuit is assembled and the device is on, follow these steps to begin and manage your therapy session.

- (1) Position the mask, mouthpiece, or trach adaptor on the patient. Ensure a snug, leak-free fit — firm mask pressure may be required.
- (2) BiWaze: Press Start on the touch screen to begin therapy (if the automatic inspiratory trigger is not enabled). T70: Press the right Therapy button to begin.
- (3) Help your patient anticipate therapy cycles by watching the progress display. A typical treatment consists of 4–6 cough cycles per sequence, with 20–30 seconds of rest between sequences. Four to six sequences make up a full treatment.
- (4) To pause: press Pause (BiWaze) or the Standby button (T70). Press Resume Therapy to continue or End Now to stop. The BiWaze auto-ends if left paused for 5 minutes.
- (5) When therapy is complete, a summary screen appears. After each session, encourage the patient to cough and clear any loosened secretions visible in the mouth, throat, or trach tube.
- (6) Repeat as advised by your clinician.

Getting Started: When starting treatment for the first time, begin with lower pressures to allow the patient to become comfortable. Be aware that lower pressures may not be therapeutically effective — increase gradually based on patient tolerance. Sitting upright during treatment is beneficial for optimal therapy when tolerated.

5 | Therapy Modes

Mode	BiWaze	T70
Manual	Hold + for inhale, – for exhale, neither for pause.	Slide switch right (+) for inhale, left (–) for exhale, center for pause. Optional foot pedal available.
Auto	Device automatically cycles inhale → exhale → pause per your prescribed times. Set number of cycles on screen.	Device automatically cycles based on set times. Cough-Trak feature syncs with patient’s inspiratory effort.
Presets	Up to 3 saved profiles (e.g., Auto-Morning, Auto-Evening). Select from drop-down on main screen.	Up to 3 prescription presets saved by clinician. Select as advised by your provider.

6 | Cleaning & Maintenance Schedule

Regular cleaning is essential to keep your equipment working properly and to prevent infection. Follow the schedule below. Call CareLinc to reorder supplies.

- (1) Device exterior: Wipe down after each use with a clean damp cloth or sanitizing wipe. Approved agents: mild detergent with water, 70% isopropyl alcohol, DisCide towelettes, or 10% chlorine bleach solution. Do not spray liquid onto the screen or air openings. Allow device to dry completely before reconnecting power.
- (2) Face mask cushion: After each use, wipe with mild soap and water; let air dry. Replace the cushion if damaged or if a good seal can no longer be maintained.
- (3) Breathing tube and patient interface: After each use, wash thoroughly with mild liquid dish soap and warm water in a clean basin. Rinse well. Allow all parts to air dry completely before reuse.
- (4) White bacterial filter: Replace monthly at minimum. Replace sooner if discolored, dirty, wet, or clogged. Do not wash this filter.
- (5) Gray air inlet filter (BiWaze): Check monthly; wash with water and air dry; replace every 6 months or sooner if torn. Air filter (T70): Clean every two weeks in warm water with mild detergent; rinse and air dry; replace every 6 months. Use only Philips Respironics filters.
- (6) Inspect all components for damage after cleaning. Replace any damaged parts and contact CareLinc for replacement supplies.

Item	Action	Frequency
Device exterior	Wipe with damp cloth and mild detergent, 70% isopropyl alcohol, or approved disinfecting wipe	After each use
Face mask cushion	Wipe with mild soap and water; air dry	After each use
Breathing tube & interface	Wash with mild dish soap and warm water; rinse; air dry completely	After each use
White bacterial filter	Replace — do not wash; replace sooner if wet, clogged, or discolored	Monthly (minimum)
Gray air inlet filter (BiWaze)	Wash with water; air dry; replace if torn or damaged	Wash monthly; replace every 6 months
Air filter (T70)	Wash in warm water with mild detergent; rinse thoroughly; air dry; use only Philips Respironics replacement filters	Clean every 2 weeks; replace every 6 months
Full patient circuit (multi-patient)	Replace entire circuit; never share between patients	Between each patient

7 | Safety Precautions

Some basic safety concerns in relation to the care and use of your cough assist device:

- In the event of equipment failure, contact CareLinc. Never attempt to open or repair the device internally.
- In the event of a medical concern, contact your physician. Call 911 for emergencies.
- Use the device only as directed by your physician. Do not change prescribed settings without consulting your provider.
- Ensure all air inlets on the device are unobstructed at all times. Do not operate while in a carrying case or covered by cloth.
- Keep the device and power cord away from heat sources. Do not splash or submerge the device.
- Keep power cables and breathing tubes away from young children to prevent choking or strangulation hazards.
- Do not use the device near flammable gases or in oxygen-enriched environments without consulting your homecare provider first.
- Children and disabled persons should not use the equipment without supervision.
- No modifications to the equipment are permitted.

Contraindications: Consult your physician before use if any of the following apply: known susceptibility to pneumothorax or pneumo-mediastinum, severe bullous lung disease, or recent barotrauma. The BiWaze is intended for adults and pediatric patients 3 years of age and older.

8 | Tips for Effective Therapy

- When using a mouthpiece, nose clips may be required to prevent air leaks.
- A well-fitting, soft-seal mask is important to eliminate possible leakage. Firm pressure with the face mask may be required to maintain an adequate seal.
- Some patients may need to have their head supported from behind to prevent mask leaks.
- If the patient has a cuffed tracheostomy tube, inflate the tube cuff during treatment.
- Sitting upright during treatment is beneficial for optimal therapy when tolerated.
- After therapy, cough and clear any secretions loosened during treatment.

For additional resources visit www.carelincmed.com/resources/document-library or call CareLinc at 616.249.2273 to speak with a CareLinc representative.