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Cough Assist T70 for Child with Tracheostomy With or without a Ventilator



T70 Cough Assist Machine

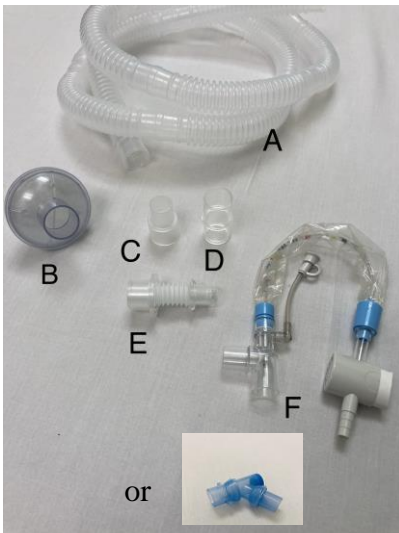
The T70 Cough Assist device removes mucus or secretions from the lungs through mechanically applied pressure. The machine will provide pressure on both inhalation and exhalation imitating a natural cough. It is a very effective treatment to reduce the risk of retained mucus which could lead to a lung infection.

How is the cough assist connected to you child?

The cough assist can be attached directly to the tracheostomy tube with different adapters as:

- A. Corrugated Tubing
- B. Bacterial Filter
- C. Two-Step Adapter, REF # 001824
- D. 22 x 22mm adapter, may just use 22 x 15mm adapter and omit option C
- E. Omni flex adaptor, REF #3222
- F. Inline Suction, or PEEP Keep adapter

The cough assist can be connected with an elbow adapter, like that with a PEEP Keep (A) or in-line suction catheter (B).



A. with PEEP Keep adaptor



B. with In-Line suction catheter

Steps to using the T70 Cough Assist With and without a ventilator (trach-only)

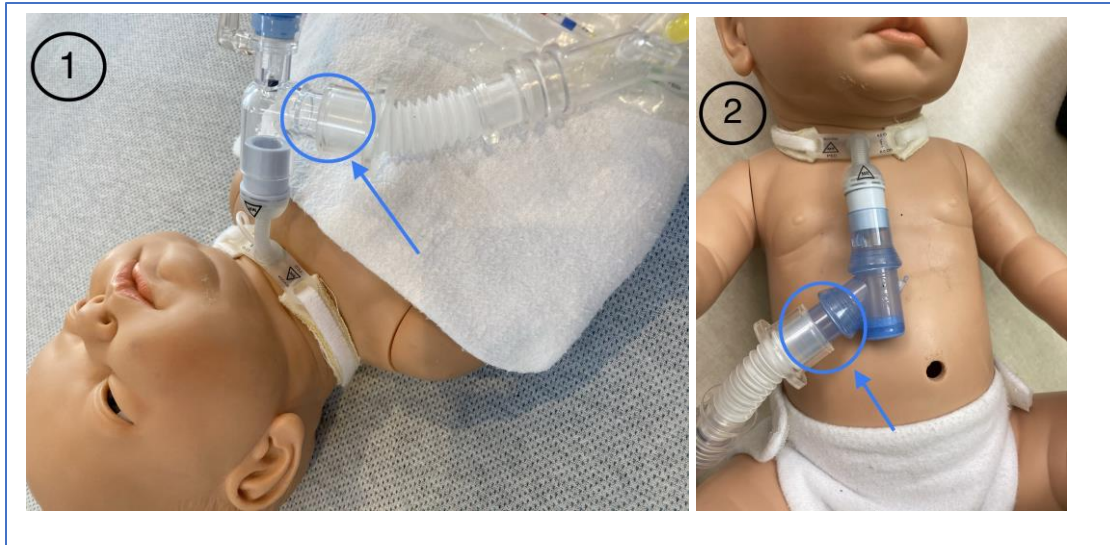
1. Gather all equipment, as seen on the first page.
2. Gather suction supplies.
3. Place your child in an upright sitting position, as tolerated.
4. If your child has a cuffed tracheostomy, inflate the cuff during the treatment if not already inflated.

With a Ventilator

1. Power on the cough assist and check the settings/pressures as determined by your child's physician.
2. Disconnect the ventilator circuit from the elbow of the inline suction catheter (1) or trach adaptor (2) and put aside within easy reach.
3. Connect the cough assist tubing to the elbow of the inline suction and immediately start the treatment by pressing Therapy (right toggle). The cough assist will then cycle automatically from inhalation (+ pressure) and exhalation (- pressure), then pause before the next breath is delivered.
4. Continue this in/out breath cycle for 5 cycles. If there are visible secretions at the trach hub during this time disconnect the cough assist and suction.
5. After 5 completed in/out cycles disconnect the cough assist and put on standby. Immediately place your child back on the ventilator. Suction the trach 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.

Without a Ventilator (Trach-only)

1. Power on the cough assist and check the settings/pressures as determined by your child's physician.
2. Disconnect the circuit from the elbow of the inline suction catheter (1) or trach adaptor (2) and put aside within easy reach.
3. Connect the cough assist tubing to the elbow of the inline suction and immediately start the treatment by pressing Therapy (right toggle). The cough assist will then cycle automatically from inhalation (+ pressure) and exhalation (- pressure), then pause before the next breath is delivered.
4. Continue this in/out breath cycle for 5 cycles. If there are visible secretions at the trach hub during this time disconnect the cough assist and suction.
5. After 5 completed in/out cycles disconnect the cough assist and put on standby. Next, place your child back on the device that they were using previously. Suction the trach 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.

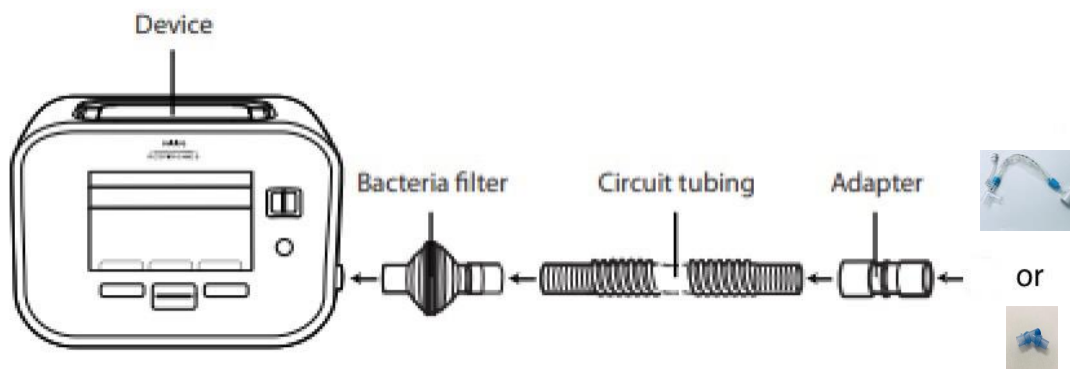


T70 Cough Assist Interface

1. Left button. Allows you to select display option settings.
2. Up/down toggle for menu access.
3. Right button. Push this to start Therapy session/ Initiate Standby between breath cycles.
4. On/Off
5. Manual switch to activate breaths in and out.
6. Breathing circuit connection. Connect bacterial filter and circuit to this.
7. Display screen.



1. Fan exhaust. Do not cover this.
2. AC power inlet. Plug power cord here.
3. Remote control connector for pedal accessory.
4. USB cable port.
5. SpO2 connector for optional oximetry accessory.
6. DC power inlet. External battery can be connected here.
7. Air path. Do not cover this.
8. Air path inlet. Change and clean this filter regularly.
9. Detachable battery slot.
10. Tubing holder for circuit.



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