

The CANVent Arm Set-up Instructions

The CANVent Arm is a support system that can be used with a specialty breathing circuit enabling non-invasive ventilation. The CANVent Arm can be mounted to a wheelchair, bed rail or table. The arm is flexible yet firm and promotes patient trouble-free access to the circuit interface/mouth piece for ease of breathing on demand.

Your CANVent Arm Kit includes several components:



1. CANVent arm and clamp assembly.
2. Rubber shim (for fitting clamp around narrower tubing).
3. 6 inches of additional arm sections.
4. A tool for adding the additional sections (optional).

How to set-up the CANVent Arm:

1. Remove the clamp.

- a. Loosen the knob and remove the clamp. See Figure 1.

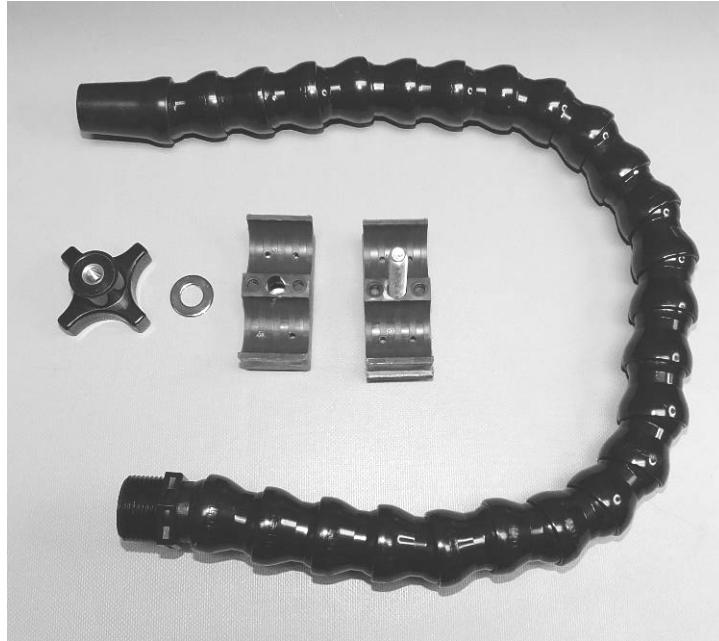


Figure 1. CANVent arm with clamp removed.

2. Adjust the length of the arm to what is needed.

- a. Decide on the length of the arm that is needed.
- b. To add length
 - i. Separate the arm by either pulling the arm sections apart or by bending the arm sharply until it snaps in two. See Figure 2.

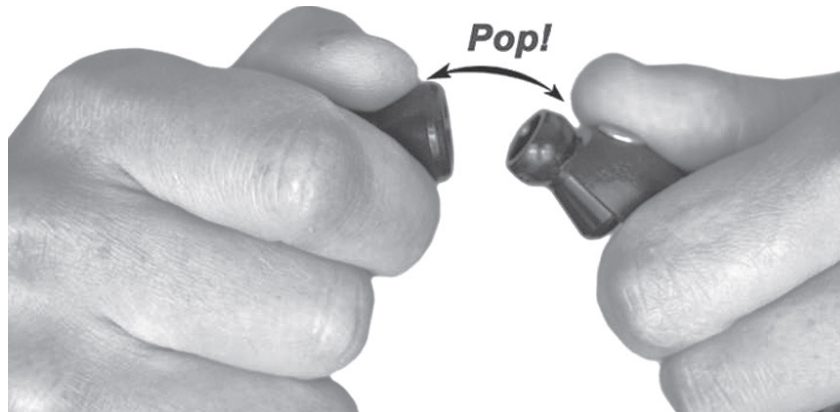


Figure 2. Bend to separate sections.

- ii. Use the Loc-line hose assembly pliers to attach additional sections from the 6 inch piece provided.
 - iii. If you do not have Loc-line hose assembly pliers, hold each half in each fist as close to the broken joint as possible and push them together. (Tip: Warming the more open end in hot water may make this easier. This should cause the socket to expand and make it easier to pop the ball into place.)
- c. To shorten
- i. Separate the arm by pulling the arm sections apart or by bending the arm sharply until it snaps in two. See Figure 2.
 - ii. Repeat so that the required sections are removed.
 - iii. Use the Loc-line hose assembly pliers to attach the two sections of the arm.
 - iv. If you do not have Loc-line hose assembly pliers, hold each half in each fist as close to the broken joint as possible and push them together. (Tip: Warming the more open end in hot water may make this easier. This should cause the socket to expand and make it easier to pop the ball into place.)

3. Insert the specialty breathing circuit.

- a. Straighten the arm. You can do this by using the palms of your hands to roll the arm on a flat surface until it is straight. See Figure 3.



Figure 3. Straighten the arm by rolling on a flat surface.

- b. Gently push the smaller end of the specialty breathing circuit through clamp end of the arm.
- c. Keep on pushing the circuit until it reaches the tapered end. Do not push through longer than half an inch beyond the tapered end. See Figure 4.

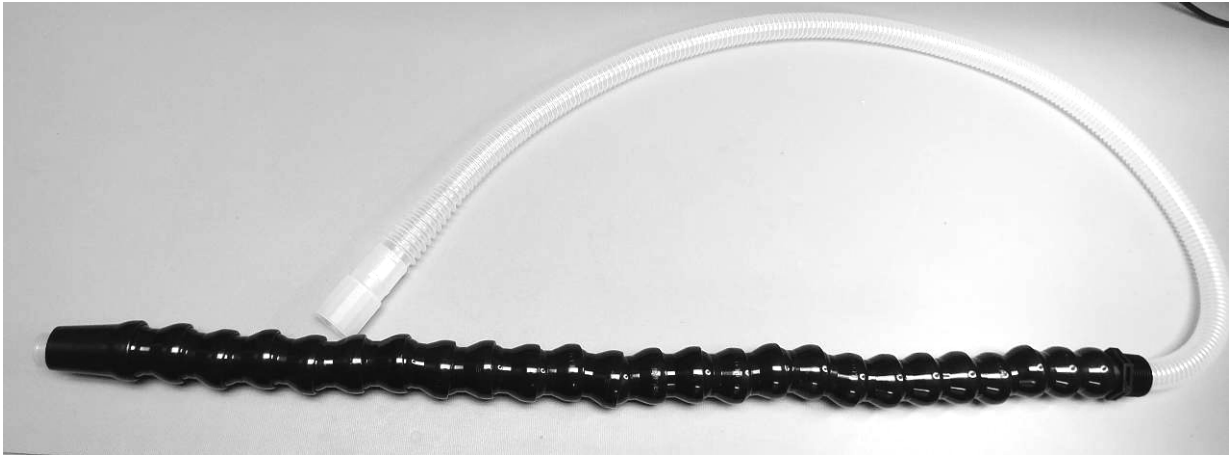


Figure 4. CANVent arm with breathing circuit inserted.

4. Mount the CANVent Arm to a wheelchair (bed rail or table)

- a. Loosen the clamp.
- b. Strategically position the clamp around wheelchair, bed rail or other tubing.
- c. Use the rubber shim around the tubing for a secure fit if needed.
- d. Tighten the clamp around the CANVent arm end and the tubing. See Figure 5.



Figure 5. CANVent arm clamped to tubing.

- e. Flex the CANVent Arm and place the interface (mouthpiece) near the patient's mouth without limiting the patient's mobility and vision. See Figure 6.



Figure 6. CANVent arm with mouthpiece installed.

For more information contact:

Patricia O'Neill
Rehabilitation Engineering
The Ottawa Hospital Rehabilitation Centre
505 Smyth Road, Ottawa, ON, K1H 8M2
(613) 737-8899 X75320
poneill@toh.on.ca