

**BJC Home Care Services  
Home Medical Equipment  
phone -- 314.953.2000 or toll-free 800.456.9366  
Respiratory Therapy -- 314.362.0720  
8 a.m.-5 p.m. Monday-Friday**

**Oxygen Concentrator Instruction Booklet**

**No Smoking Signs Should Always Be Posted in a Visible Location**

**Oxygen Concentrator**

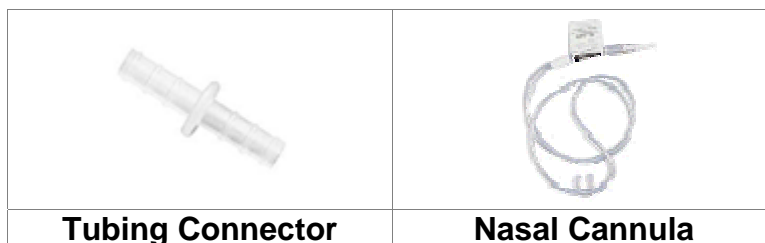


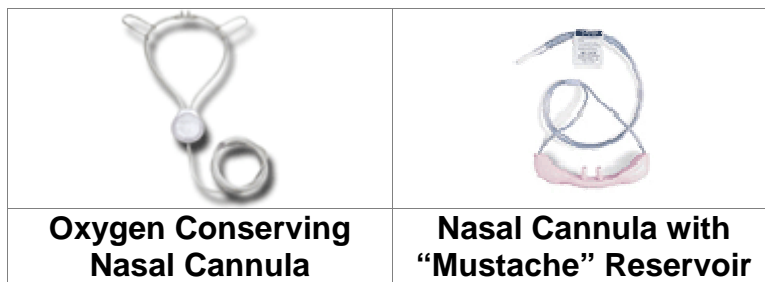
**Set Up and Operation**

- Plug concentrator into its own outlet
- Turn on concentrator
- Screw on nipple adaptor or bubble humidifier, if needed
- If using bubble humidifier
  - Unscrew the bottom and fill with distilled water
  - Fill to the “Maximum” line -- refill when level drops to “Minimum” line
  - Screw on bottom making sure it is properly threaded to avoid leaks



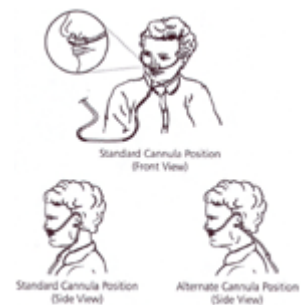
- Attach tubing to nipple adaptor or outlet on bubble humidifier -- maximum tubing length: 50 feet
- Attach cannula or mask to other end of tubing -- may require tubing connector



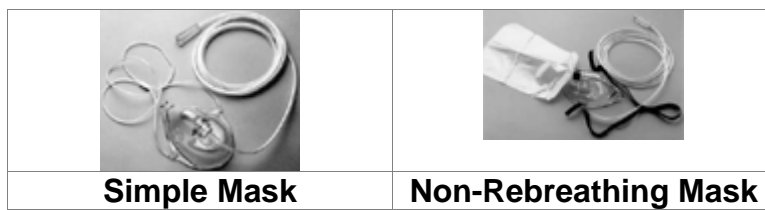


- Putting on the cannula
  - Hold tubing on both sides of the prongs -- curved prongs should go towards the patient
  - Place prongs into nose and place tubing around ears so it hangs down under the chin
  - or --
  - Place tubing over the ears around the back of the head
  - Slide adjustment collar for snug fit

**Standard Cannula Position -- front view**  
**Standard Cannula Position -- side view**  
**Alternate Cannula Position -- side view**



- Putting on a mask
  - Place the mask over the patient's face
  - Strap should go behind the patient's head
  - Adjust strap



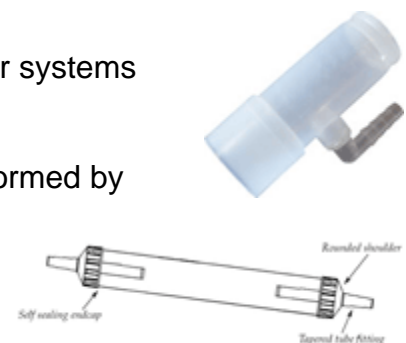
- Adjust oxygen flow rate as prescribed by physician
- Do not change flow rate without consulting your physician

### Accessories

**Bleed-In Adaptor** -- Used to provide supplemental oxygen to other systems

**Water Trap** -- Used when there is excess moisture in the tubing; formed by condensation from oxygen going through the bubble humidifier

- Attach between two pieces of extension tubing
- To remove water, twist and pull on either end



### Troubleshooting and Alarms

**If there is an audible alarm -- concentrator is not running:**

- Is unit plugged into a working outlet?
- Check circuit breaker
  - Right side of unit, behind a small door on the Companion 590 and 429a
  - Back of the unit on the Companion 492
  - Between the on/off switch and flow meter

**If there is an audible alarm -- concentrator is running:**

- Concentrator cannot be fixed by consumer
- **Call 314.362.0720 or toll-free 800.456.9366**

**There is a visual alarm on the Companion 590 with oxygen concentration indicator:**

- **Green Light -- Normal** -- Oxygen concentrations are correct
- **Yellow Light -- Below Normal** -- Oxygen concentrations have fallen below an acceptable level
- **Red Light -- Not Operating** -- Oxygen is no longer being produced; audible alarm will sound and concentrator will shut down

**Flow meter will not rise above a certain point:**

- Replace bubble humidifier
- Check tubing for blockage

**No oxygen flow to patient:**

- Check on/off switch
- Check flow meter settings
- If bubble humidifier is used
  - Check that bottom is properly screwed into the top
  - replace bubble humidifier
- Check tubing for blockage or damage
- Check all tubing connections
- **Call 314.362.0720 or toll-free 800.456.9366**

**If the problem or alarm can't be resolved:**

- Place patient on back-up oxygen system
- Turn off concentrator
- **Call 314.362.0720 or toll-free 800.456.9366**

**Oxygen Concentrator Safety**

- Oxygen is non-flammable but supports combustion
- Avoid fire hazards, ignition sources, smoking and combustible materials
- Do not operate equipment without proper instruction
- [No Smoking flyers](#) should be visible to anyone entering residence
- Review [Safe Practices for Handling and Operating Oxygen Equipment](#)
- Do not use oil or grease on oxygen equipment -- it's a potential fire hazard
- Never take the unit apart
- Never use extension cords

- Always use a grounded electrical outlet
- Plug unit into its own outlet
- Keep units 12 inches from walls for proper ventilation and cooling
- Keep units 5 feet from radiators, heaters and hot air registers
- **Call 314.362.0720 or toll-free 800.456.9366** to have the unit inspected or replaced if you suspect it is damaged in any way

### **Cleaning and Care**

- Wipe concentrator units with a damp cloth weekly or as needed
- Filter maintenance
  - Wash with tap water weekly
  - Squeeze out excess moisture
- Filter locations
  - Right side of the Companion 590, 492 and 429a
  - Back of the Oxycon
- Bubble humidifiers and water traps
  - Wash with dishwashing detergent every 48 hours
  - Replace when worn out
- Tubing
  - Wipe with damp cloth as needed
  - If using a bubble humidifier, replace monthly
  - If not using a bubble humidifier, replace every three months
- Cannulas and masks
  - Wipe with damp cloth as needed
  - Replace every two weeks

### **Precautions**

- Use oxygen as prescribed; never alter oxygen flow without physician orders
- If your oxygen use is causing side effects, contact your physician

### **Call 314.362.0720 or toll-free 800.456.9366 if you are unable to answer these questions:**

- What is the prescribed oxygen liter flow?
- How many hours a day should you use your oxygen?
- How do you operate your oxygen unit?
- What are the oxygen safety rules?
- How do you maintain and clean your oxygen unit?
- How do you operate your portable or back-up unit?
- How long will your portable unit last at your prescribed flow rate?
- What do you do if your equipment malfunctions?
- What do you do in a medical emergency?