

Home Care Equipment, Inc.

COMPRESSOR/HIGH HUMIDITY INSTRUCTION SHEET

A. OPERATION

1. Plug air compressor into a 115 volt AC circuit rated at least 10 amps.
2. Attach humidity jar to air compressor.
 - a. Jar should be screwed tight enough onto air compressor so that pressure manometer reads between 20-40 p.s.i. If screwed too tight, will cause jar to break.
 - b. With oxygen added – the air entrainment dial will be set at the time of set-up to deliver exact oxygen percentage to the patient. This setting should not be changed and all replacement humidity jars should be dialed to the same setting when changing jars.
 - c. Without oxygen added – the air entrainment dial controls the flow of air that will reach the patient. The higher the number set on the dial, the lower the flow of air to the patient.
3. Fill humidity jar only with sterile, distilled or bottled solution according to doctor's orders.
 - a. Unscrew bottom of jar from top of humidity jar.
 - b. Fill with sterile, distilled or bottled solution to top line of jar. Use solution that doctor ordered.
 - c. When water level gets to refill mark, empty remaining water and refill.
4. Bleed-in adapter is attached to humidity jar if oxygen is to be added to the system.
5. Cut 2 -3 foot section of corrugated tubing. Attach one end to humidity jar or bleed-in adapter (if used). The other end of corrugated tubing should be attached to water trap bag.
6. Water trap bag should be placed so that condensation will drain from corrugated tubing into bag. Condensation should never be drained back into humidity jar for reuse.
7. Cut another section of corrugated tubing so that it reaches from the water trap bag to the patient. Corrugated tubing should have some slack in it so that patient can move. Overall length of system from humidity jar to patient should not exceed 10 ft.
8. Attach proper mask or collar to end of corrugated tubing.
9. Turn air compressor on.
10. Attach mask or collar to patient.

B. SAFETY

1. Only persons instructed on equipment should be allowed to operate it.
2. NEVER open case of air compressor.
3. Do not use extension cords.
4. Should use grounded outlet/surge protectors.
5. Do not overload the circuit the air compressor is on.
6. Maintain at least 12 inches around the air compressor to ensure proper cooling.
7. Do not place air compressor within 5 feet of radiators, heater, or hot air registers.

C. CLEANING

1. Air compressor external air filter should be washed once a week with water. Outside of air compressor can be wiped off with a damp cloth.
2. Humidity jar, bleed-in adapter, corrugated tubing; mask or collar should be cleaned every 48 hours according to Respiratory cleaning procedures.
3. Corrugated tubing, humidity jar, bleed-in-adapter, water trap bag, mask or collar should be replaced at least every 2 weeks.

D. TROUBLESHOOTING

1. Knows 24 hour service phone number and EMS number.
2. Preventative maintenance schedule.
3. Advised to call office if service or supplies needed.
4. Advised against attempts to make adjustments on own.

If on, oxygen air entrainment dial is to be set at:_____.

INSTRUCTIONS FOR MAKING STERILE WATER

A. Here are instructions for making your own sterile water. Many times it will be easier and less expensive for you to prepare it. Remember that bacteria can grow in your solutions unless you are extremely careful. Please follow these instructions exactly as they are written.

1. You need a glass jar with a lid that fits snugly.
2. Thoroughly wash this jar and its lid in detergent, rinse.
3. Place the jar and its lid in the pan and fill with tap water so that the jar is completely submerged. Place a lid on the pan and gently boil the jar for 15 minutes to sterilize it.
4. After you have boiled the jar, pour the tap water out of the pan. (Use the pan lid to prevent the sterilized jar from falling out).
5. After the jar and lid have cooled, remove them from the pan. Place them upright on a clean counter. DO NOT let anything “unsterile” touch the insides of the jar or lid. DO NOT dry them with a towel or place them upside down to drain.
6. Resterilize the jar and lid at least once each week.
7. Pour distilled water (twice the desired amount) into the clean pan used to boil the jar.
8. Boil gently for 15 minutes. You will have about half the water you started with. Let the water cool and then pour it into the “sterile” jar; cover with the “sterile” lid.
9. Store this in the refrigerator; discard any used solutions at least once a week.
10. To remove any solution from the jar, pour it directly into the humidifier, DO NOT pour any extra solution back into the jar once it has been removed; discard it.