Caire Model: Liberator Reservoir (Side or Top Fill) Companion Model Reservoir (Top Fill)

<table>
<thead>
<tr>
<th>Flow rate (L/min)</th>
<th>Approximate duration of performance, hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.25</td>
<td>20</td>
</tr>
<tr>
<td>0.30</td>
<td>29</td>
</tr>
<tr>
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</tr>
<tr>
<td>0.75</td>
<td>25</td>
</tr>
<tr>
<td>1.00</td>
<td>36</td>
</tr>
<tr>
<td>1.50</td>
<td>53</td>
</tr>
<tr>
<td>2.00</td>
<td>10</td>
</tr>
<tr>
<td>2.50</td>
<td>37</td>
</tr>
<tr>
<td>3.00</td>
<td>53</td>
</tr>
</tbody>
</table>

Flow rate

Portables are equipped with Integrated Flow Control System.

<table>
<thead>
<tr>
<th>Liquid oxygen-leaking from reservoir or portable after filling</th>
</tr>
</thead>
<tbody>
<tr>
<td>15</td>
</tr>
<tr>
<td>20</td>
</tr>
<tr>
<td>29</td>
</tr>
<tr>
<td>43</td>
</tr>
</tbody>
</table>

L/min Approximate duration of performance, hrs

Flow rate

Concentrator or cylinder liquid system comes

It doesn’t feel like the concentrator or cylinder is not working

Contents gauge on the Caire Model reservoir and portable is not working

Water in the reservoir

Condensation from humidifiers

This occurs because water is not drawn from the water cup and the air is heated in the humidifier and flows through the line or in a cold draft by a door or window. The air does not contain enough moisture to wet the water so it re-condenses.

Normal: The reservoir will continue to supply liquid oxygen.

Detrimental: The water cup does not have enough water to cool the air for the prescribed humidification process. The reservoir should be filled with water until at least one inch of water is in the reservoir.

Replace the water cup and hang the humidifier jar. Normal: Re-Condensation from humidifiers

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Replace the water cup and hang the humidifier jar. Operating the Liquid Reservoir*

1. Turn the flow selector clockwise until the prescribed flow rate (l/min) is visible in the dial “window”.
2. No oxygen will flow if the dial is set between the numbers.
3. Attach an oxygen flow connector (or humidifier) to the oxygen outlet on the reservoir.
4. Attach the link-restrictant oxygen extension tubing taking (15mm) maximum length to the flow connector on the reservoir once the oxygen is flowing.
5. Attach the other end of the link-restrictant oxygen extension tubing to the chimney or mask, using a straight or curved connector.
6. If a humidifier, the water in the humidifier will bubble while the oxygen is flowing.
7. Adjust the humidifier knobs or mask for a comfortable fit.
8. Check the reservoir to the difference in the reservoir.
9. Check the liquid oxygen level in the reservoir after each use. If the reservoir is less than 1/4 full, call VitalAire to schedule a delivery.
10. Do not touch the venting stream, liquid oxygen or any frosted parts when filling the portable. Frostbite may result.
Connecting the Top Fill Portable unit to the base reservoir:
- Check the contents indicator that there is enough Liquid oxygen in the reservoir for filling purposes.
- Dry the connections on both the base reservoir and portable unit with a clean, dry, lint-free cloth.
- If the units will not release, wait 2-5 minutes for the units to attempt to separate.
- DO NOT APPLY FORCE.

Connecting the Side Fill Portable unit to the base reservoir:
- Close the vent valve lever and wait 30 seconds.
- Close the vent valve lever straight out to the open position. (90˚ from normal off position.) This will result in a loud hissing noise. You may also see vapor around the connection.
- While holding the unit in the fill position, move the vent valve lever clockwise until you feel the pin and engage it snugly.
- Caution: The fill connectors must be 3/8” (10mm), and assure proper engagement of the fill connectors.
- Place one hand on top of the portable unit and the other hand on the base reservoir. Slowly lower the portable approximately 20˚ and assure proper engagement of the fill connectors.
- Now the units are locked together. Carefully and gently rotate the portable unit and the base reservoir to freeze to the reservoir.
- Allow for proper pressure to build for use.

Filling the top fill portable unit:
- While holding the unit in the fill position, move the vent valve lever straight out to the open position (90˚ from normal off position.) This will result in a loud hissing noise. You may also see vapor around the connection.
- NOTE: About 20 to 30 seconds into the filling process, close and reopen the vent valve one or more times to break up any ice that may form to begin to fill around the valve stem.
- After approximately 1/2 minutes, a distinct change in the sound of the venting gas will occur, with a stream of white gas coming from the vent line. (Fill time may vary)
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- While holding the unit in the fill position, move the vent valve lever and wait 30 seconds.
- Close the vent valve lever and wait 30 seconds.
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Operating the liquid portable:
- Turn the flow selector clockwise to the prescribed flow rate (number) indicated in the dial “window”.
- Use cannula with a maximum tubing length of 7 feet.
- Adjust the nasal cannula or mask for a comfortable fit.
- Turn the portable to the OFF position when it is not in use. Always use and store in an upright position.

Cleaning your equipment:
- Wipe the exterior of your reservoir and portable unit with the exception of the connection points with damp (not wet) cloth. The fill connectors may be cleaned if more force is needed. Save all caps, o-rings and any O2 supply equipment even if the Low Battery Indicator lights up, as there is still Liquid oxygen in the unit.

Connecting the Side Fill Portable (Companion & Caire Stroller Models):
- While holding the unit in the fill position, move the vent valve lever clockwise until you feel the pin and engage it snugly.
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Filling the portable unit:
- Place the portable fill connector (Figure 1) directly over the quick connector (Figure 2).
- Mate the portable fill connector (Figure 1) directly over the quick connector (Figure 2).
- Optional: Use cannula with a maximum tubing length of 7 feet.
- Wipe the exterior of your reservoir with a clean dry, lint free cloth.
- Place one hand on top of the portable unit and the other hand on the base reservoir. Slowly lower the portable approximately 20˚ and assure proper engagement of the fill connectors.
- Now the units are locked together. Carefully and gently rotate the portable unit and the base reservoir to freeze to the reservoir.
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4. Avoid Oxygen Enrichment
5. Cold Parts
6. Portable Consumption Chart
7. Oxygen Flow Rate
8. Maximum Oxygen Flow Rate
9. Adjust Flowrate
10. Check for Flow if Required
11. Stay while transfilling
12. Do Not Touch
13. Only Clean with (not wet) cloth
14. Select Zero Flow After Use
15. Do Not Wash or Grease