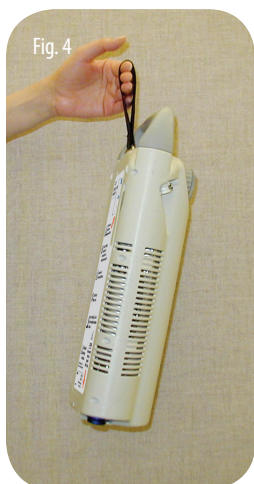
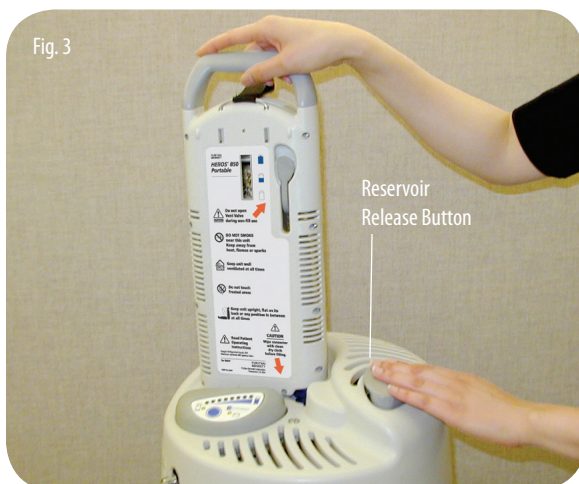


HELiOS Marathon[®], Model H850

PERSONAL OXYGEN SYSTEM FILLING GUIDE



1. Remove any moisture from the fill connector on both the reservoir and the H850 Portable unit with a clean, lint-free, dry cloth.
2. Check the reservoir contents indicator to make sure enough liquid oxygen is available.
3. Firmly lower the H850 Portable unit onto the reservoir so the H850 Portable connector engages the reservoir connector. Press straight down directly over the fill connectors. (Figure 1)
4. While firmly holding the H850 unit in place with one hand, move the vent valve lever 90 degrees down to the open position with the other hand. Maintain a downward force while filling. (Figure 2)
5. Close the vent valve lever when you notice sputtering in the fill noise, followed by the release of white vapor (usually between 60 and 80 seconds from start of procedure).
6. Hold the H850 unit by the handle with one hand, and press the release button on the Reservoir with the other hand. Gently pull the H850 off the Reservoir once the release button is down. (Figure 3)
7. Holding the strap on the back, push the bottom back side of the H850 unit until it is vertical. The green indicator should fill the window, showing that the unit is full. (Figure 4)

Warning

Do not touch liquid oxygen or parts that have been in contact with liquid oxygen. Liquid oxygen is extremely cold (-297°F/-183°C). When touched, liquid oxygen, or parts of the equipment that have been carrying liquid oxygen, can freeze skin and body tissue.

If a discharge of liquid oxygen from the reservoir fill connector occurs, stay away from the reservoir and notify your oxygen supplier immediately.

- Open windows and doors to ventilate the room.
- Shut off stoves, heaters and other sources of flame or heat.

HELPFUL TIPS SUMMARY:

- Make sure the Portable unit is fully engaged with the Reservoir before filling.
- Hold the Portable unit straight down when filling, and maintain steady downward pressure.
- Individuals short in height may want to consider using a step-up riser during the filling process.
- Excessive vapor during the filling process indicates the Portable unit is full. Continuing to fill the Portable will not add oxygen.

TROUBLESHOOTING Q & A:**Why is it important to remove any moisture from the connectors before filling the *HELiOS* Portable unit?**

Drying the connections on the Portable unit and Reservoir helps prevent the units from freezing together during filling.

How can I determine if the *HELiOS* Portable is full after filling?

Check the oxygen contents indicator to see if the Portable unit is filled to the desired level. To check the contents indicator, use one hand to lift the *HELiOS* Portable unit by the contents indicator strap. The top of the Portable unit will slightly tip forward. With your other hand, gently press the bottom back side of the Portable unit so it is at a 90-degree angle to the floor. The green indicator should fill the window.

What should I do if the *HELiOS* Portable unit stops pulsing?

To make certain that the Portable unit has stopped pulsing, put on the cannula, close your mouth and breathe only through your nose. If pulsing has stopped, check the following:

- Make sure both connections of the dual-lumen cannula are firmly attached to the Portable Oxygen Outlet and Sensor connectors.
- Determine whether water droplets are present in the cannula. Water droplets from humidified exhaled gas is normal, but can sometimes cause the Portable unit to stop pulsing. If you think this may be the problem, consider changing the cannula.
- Make sure the cannula is not kinked.
- Check to see if there is oxygen in the Portable unit.

What should I do if the *HELiOS* Portable unit vent valve does not close properly?

If the vent valve fails to close and the hissing sound continues, remove the Portable unit by depressing the Reservoir release button. Keep the portable unit in an upright position during this time. The Portable unit should stop venting in a few minutes. Allow the Portable unit to warm up before fully closing the vent valve. Once the vent valve is closed, sixty minutes may be needed to restore adequate pressure for accurate oxygen flow to the Portable unit.

What can I do if the *HELiOS* Portable unit is not filling?

First, verify that there is oxygen in the Reservoir. Then check the pressure in the Reservoir. Liquid oxygen in the Reservoir should be saturated at a minimum pressure of 24 psi for proper operation to occur. Contact your homecare provider if the pressure gauge on top of the Reservoir reads below 24 psi.

If you have additional questions, please contact *HELiOS* Technical Services at 1-800-482-2473.