



# UltraFill Home Oxygen System Quick Start Guide for Professionals

**PHILIPS**

**RESPIRONICS**

sense and simplicity

# Startup Checklist


To ensure proper setup and filling, follow the steps listed below. Before attempting to troubleshoot a problem, always check to make sure that the system has been setup correctly and that the filling process was initiated properly.


	Action	How to verify
1 	Tubing is properly connected between UltraFill and the oxygen concentrator. Check for kinks.	Inspect visually.
2 	Oxygen concentrator is powered on.	Green light on top panel should be lit. If not, check that the power cord is plugged in and the power button is depressed. If the problem persists, consult the Troubleshooting section in this guide.
3 	Oxygen concentration level is properly set. EverFlo should be at or below 3 LPM. Millennium M10 should be at or below 7 LPM.	Check the concentrator's flow meter.
4 	UltraFill is powered on.	Green light on top panel should be lit. If not, check that the power cord is plugged in and the power button is depressed. If the problem persists, consult the Troubleshooting section in this guide.

	Action	How to verify
<p>5</p> 	<p>Conserving or regulator is in the “Off” position.</p>	<p>Inspect visually.</p>
<p>6</p> 	<p>If the conserving device or regulator is <u>not</u> connected during filling, check that the cylinder valve is closed.</p>	<p>Turn the valve head clockwise until tight.</p>
<p>7</p> 	<p>Cylinder is properly connected to the UltraFill device.</p>	<p>One or more lights on the fill-level indicator is solid. No lights should be flashing.</p>
<p>8</p> 	<p>Fill Start/Stop button is depressed and filling has started.</p>	<p>If cylinder is not full, one light on the fill-level indicator will flash.</p>
<p>9</p> 	<p>Filling complete. Release cylinder from UltraFill.</p>	<p>All lights on the fill-level indicator are solidly lit.</p>

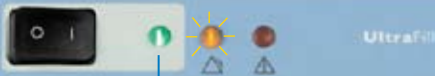
# Troubleshooting

Once you have verified that the setup and filling procedures have been followed correctly, troubleshoot the problem using the following tables.

LED and audible condition
 <p>Continuous Off Off Audible alarm: Silent</p>
Condition
The device is turned on and working properly. Oxygen pressure and purity from the concentrator are good.
Troubleshooting step
_____
Corrective actions
_____

LED and audible condition
 <p>Continuous Off Off Audible alarm: Silent</p>
Condition
The device is not filling.
Troubleshooting step
<ul style="list-style-type: none"><li>• Verify that the cylinder is connected to the fill coupler (fill level LEDs lit).</li><li>• Verify that the fill Start/Stop button is depressed (either a fill level LED will be blinking or all 4 LEDs will be lit solid).</li></ul>
Corrective actions
<ul style="list-style-type: none"><li>• If all 4 LEDs are constantly lit, the cylinder is full and ready for use.</li><li>• If all 4 fill level indicator LEDs are not lit and none are blinking, again depress the fill Start/Stop button. If this does not start the filling process, contact Product Support at 800-345-6443 (option 1 then 4).</li></ul>

### LED and audible condition



Continuous  
Flashing  
Off  
Audible alarm: Periodic

### Condition

The device has detected a pressure fault.

### Troubleshooting step

- Check oxygen flow at the transfer tubing connection of concentrator. Verify flow is greater than 10 liters per minute.
- Check for kinks in the oxygen feed tube between the concentrator and UltraFill.
- Ensure the OCD or regulator is set to the “Off” position.
- If the OCD or regulator has been removed, ensure the cylinder valve is closed (turn clockwise).

### Corrective actions

- If oxygen flow is less than 10 liters per minute, contact Product Support at 800-345-6443 (option 1 then 4).
- If the line is kinked, straighten the tubing and retry filling.
- Set the OCD or regulator in “Off” position and retry filling.
- Close cylinder valve and retry filling.
- If oxygen pressure is correct, tubing is not kinked, and the OCD, regulator and valve cylinder are properly set, contact Product Support at 800-345-6443 (option 1 then 4).

### LED and audible condition



Continuous  
Continuous  
Off  
Audible alarm: Off

### Condition

The device has detected a possible oxygen purity fault (purity is less than 90 percent).

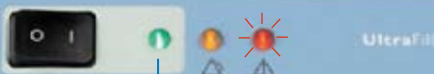
### Troubleshooting step

Check the concentrator’s oxygen purity at the patient cannula port.

### Corrective actions

- If concentrator purity is less than 90 percent, remove the concentrator’s inlet filter and retry filling.
- If warning subsides, replace the filter. If the warning persists, contact Product Support at 800-345-6443 (option 1 then 4).
- If the concentrator’s oxygen purity is greater than or equal to 90 percent, contact Product Support at 800-345-6443 (option 1 then 4).

### LED and audible condition



Continuous  
Continuous  
Flashing  
Audible alarm: Constant

### Condition

The device has detected a possible oxygen purity fault (purity is less than 90 percent) and the oxygen within the cylinder is less than 90 percent.

### Troubleshooting step

- Empty oxygen from the cylinder.
- Check the concentrator's oxygen purity at the cannula port.

### Corrective actions

- If concentrator purity is less than 90 percent, remove the concentrator's inlet filter and retry filling.
- If warning subsides, replace the filter. If the warning persists, contact Product Support at 800-345-6443 (option 1 then 4).
- If the concentrator's oxygen purity is greater than or equal to 90 percent, contact Product Support at 800-345-6443 (option 1 then 4).

### LED and audible condition



Off  
Off  
Continuous  
Audible alarm: Constant

### Condition

The device has detected an internal failure.

### Troubleshooting step

Contact Product Support at 800-345-6443 (option 1 then 4).

### Corrective actions

Contact Product Support at 800-345-6443 (option 1 then 4).

# Safe transport

Reasonable care should be taken when moving the UltraFill device across an uneven surface. Follow the general guidelines below when attempting to move UltraFill across the floor, through doorways, and into an elevator:



## Correct transport method over uneven surface

The proper method for moving the UltraFill device is to first remove the cylinder, then either lift the unit using its two handles or pull the device along its long orientation using one handle.



## Incorrect transport method over uneven surface

Never attempt to move the UltraFill device with the cylinder attached or by pushing the top of the unit along its horizontal axis.

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