SECTION 6—OPERATING INSTRUCTIONS

Adjusting the Pulse Flow Setting

CAUTION

It is very important to select the prescribed level of oxygen flow. DO NOT increase or decrease the flow unless a change has been prescribed by your physician or therapist.

NOTE: For this procedure, refer to FIGURE 6.9 on page 32.

1. Turn On the XPO₂ by pressing and holding the power On/Off button for approximately one second. Each time the XPO₂ is turned On, a brief alarm will sound. The XPO₂ pulse flow setting at power-up will be the same flow setting selected the last time the unit was turned Off.

2. The XPO₂ has five pulse flow settings. Press the flow selection (+ or -) button until your prescribed flow setting (1 to 5) is illuminated by a blue indicator light.
Using the XPO₂ Portable Concentrator

1. Turn the XPO₂ On by pressing the On/Off button.

2. Breathe normally through your nose. Breathing through your mouth may result in less effective oxygen therapy. The XPO₂ will put out a measured pulse of oxygen each time it detects inhalation. The blue flow setting indicator light will blink each time an inhalation is detected and the XPO₂ outputs a pulse of oxygen.

3. Turn the XPO₂ Off by pressing and holding the power On/Off button for approximately two seconds.

NOTE: The time required for the XPO₂ to reach maximum oxygen concentration after being turned On is approximately 5 minutes.
Indicators, Warnings and Alarms

Start-Up Indicator – The XPO₂ will turn On all lights briefly and check for stuck buttons upon power up. It will then output a brief audible beep when first turned On to indicate the unit is operational.

Breath Detect Indicator - The XPO₂ will put out a measured pulse of oxygen each time it detects an inhalation. The blue flow setting indicator light will blink each time an inhalation is detected and the XPO₂ outputs a pulse of oxygen.

Internal Battery Charging Indicator – When the unit is not turned On, but the AC, or DC, charger is connected to the unit and providing power, the Battery Gauge Display will sequentially illuminate each of the four segments. Periodically the sequential illumination will be interrupted by the actual battery charge display. If the unit is fully charged, all four segments will be illuminated continuously until the unit is turned On, or removed from charger power. If no Battery Gauge Display segments are illuminated, the unit is not charging. The lack of charging could be due to either a loss of power, loose charger connections or the internal battery is not at the proper temperature for charging. Allow the unit to warm, or cool, to recommended charging temperature range (see Recommendations for Optimal Performance on page 18), check for loose connections and/or try a different power outlet.

Low Battery Warning – When the XPO₂ internal battery (or supplemental battery, if applicable) capacity drops to 25%, a brief audible beep will sound. The green 25% battery gauge indicator will intermittently blink.

Low Battery Alarm – When the XPO₂ internal battery (or supplemental battery, if applicable) capacity drops to 15%, a double audible beep will sound. The green 25% battery gauge indicator will rapidly blink.
Battery Discharged Alarm – Once the XPO₂ internal battery (or supplemental battery, if applicable) capacity drops to minimum, a triple audible beep will sound and the GREEN 25% battery gauge indicator will blink very rapidly. The unit will then shutdown.

No Breath Detect Alarm - When the XPO₂ is operating but does not sense breathing, a constant audible alarm sounds and the red alarm indicator light will illuminate continuously. If this occurs, check the connection from the cannula to the XPO₂ unit and ensure that you are breathing through your nose. If the alarm continues, change to an alternate source of oxygen and contact your equipment provider.

Breath Rate Over Capacity Alarm – If your breathing rate causes the capacity of the XPO₂ to be exceeded, an intermittent audible beep sounds and the red alarm indicator will illuminate intermittently. When this occurs, reduce your activity and/or change to another source of oxygen.

If your breathing rate continues to increase the audible beeps and red indicator blinks will become more rapid.  

NOTE: Oxygen will be supplied during this alarm.

System Too Hot/Cold for Start Alarm – If the internal sensors register temperatures outside factory set levels upon start-up, the unit will alarm with a rapid audible beep, the red alarm indicator light will illuminate continuously, the unit will not operate and the flow setting 1 & 2 blue indicator lights will illuminate. The fan will turn On. Allow the unit to cool or warm to the recommended operating temperature range (see Recommendations for Optimal Performance on page 18). Turn Off the unit and try again. Change to an alternate source of oxygen while waiting. If the alarm continues, contact your equipment provider.
System Too Hot/Cold Running Alarm – If the internal sensors register temperatures outside factory set levels during operation, the unit will alarm with a rapid audible beep, the red alarm indicator light will illuminate continuously, the unit will not operate and the flow setting 1 & 3 blue indicator lights will illuminate. The fan will turn On. Allow the unit to cool or warm to the recommended operating temperature range (see Recommendations for Optimal Performance on page 18). Turn Off the unit and try again. Change to an alternate source of oxygen while waiting. If the alarm continues, contact your equipment provider.

Battery Too Hot/Cold Alarm – If the internal battery sensor registers temperature outside a factory defined temperature range while the unit is operating, the unit will alarm with a rapid audible beep, the red alarm indicator light will illuminate continuously, the unit will stop running and the flow setting 1 & 4 blue indicator lights will illuminate. Turn Off the unit and disconnect AC or DC power adapters. Allow to the unit to cool or warm, to the recommended operating temperature range (see Recommendations for Optimal Performance on page 18) and try again. Change to an alternate source of oxygen while waiting. If the alarm continues, contact your equipment provider.

Stuck Button Alarm – During power up of the unit, if it detects that a button is stuck or being pressed too early, the unit will alarm with a rapid audible beep, the red alarm indicator light will illuminate continuously, the unit will not operate and the flow setting 1 & 5 blue indicator lights will illuminate. Turn Off the unit. Individually press all the front panel buttons, looking for buttons that seem stuck in a “pressed” position. Try turning On the unit again without pressing any other buttons during the power up. If the alarm continues, change to an alternate source of oxygen and contact your equipment provider.
Operating Alarm – If unit detects abnormal operating conditions in the unit, the unit will alarm with a rapid audible beep, the red alarm indicator light will illuminate continuously, the unit will not operate and the flow setting 3 & 4 blue indicator lights will illuminate. Turn Off and then turn On the unit. If the alarm continues, you should change to another source of oxygen and contact your equipment provider.

Compressor Alarm – If unit detects abnormal compressor conditions, the unit will alarm with a rapid audible beep, the red alarm indicator light will illuminate continuously, the unit will not operate and the flow setting 4 & 5 blue indicator lights will illuminate. Turn Off and then turn On the unit. If the alarm continues, you should change to another source of oxygen and contact your equipment provider.

System Alarm – If unit detects abnormal system conditions, the unit will alarm with a rapid audible beep, the red alarm indicator light will illuminate continuously, the unit will not operate and the flow setting 3, 4 & 5 blue indicator lights will illuminate. Turn Off and then turn On the unit. If the alarm continues, you should change to another source of oxygen and contact your equipment provider.

Audible Alarms - To temporarily silence the audible alarms, quickly press the On/Off button. Except for the system Too Hot/Too Cold alarms, this feature will reset itself, every 30 seconds, each time a new alarm is triggered, or if the unit is turned Off. When performed during the system Too Hot/Too Cold alarms, the audible alarm will be silenced until a new alarm is triggered, or the unit is turned Off.