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Med Tips

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August 2012

NEW!!
Patient Spotlight

Lyn's Story

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Lyn and Mark getting ready for their race!
Generation 2 High Flows Shown. Picture from 2009.

Having gone through pulmonary rehab in 2003 I have come a long way in physical fitness equal to and sometimes better than before diagnosis with COPD (mild/moderate). I never walked in events before, and now do several Half marathons a year at age 70. I'm not the average patient, I am willing to work hard to exercise and *it is working*, no progression of the disease in 6 years...except for perhaps the normal aging factor every one loses.

As far as I am concerned, the Caire liquid oxygen portables are top notch in functioning, durability and reliability. I have the Spirit 300, and the new high flow tank.

This new design, softer, no sharp edges, lighter in weight, is great, and it sort of bounced when it was accidentally knocked off a chair. I was horrified-and amazed it wasn't damaged at all. Not that one wants to test it by doing that.

This new constant high-flow O2 portable is exactly what I need for my faster more difficult activities. I have given it quite a workout over the last few weeks, and often have it up on 12-15 liters for 30-45 minutes at a time without any freeze up. It has produced well indoors and outdoors in temperatures ranging from 40 to 70 degrees. Since it is winter, (in Colorado) I haven't been able to experience how it will work in hot weather. I imagine it will do a fine job.

-Lyn
(from 2009)

Thank you Lyn for sharing your story!

***If you know of a patient who would like to be in one of our spotlights, please reply to this email!*

****If you have any questions regarding any of our products, please contact our US Technical Support Team or your local Sales Representative.*

PRODUCT INFORMATION

Companion Reservoir Top Cover

In an effort to standardize parts, only one version of the top cover for Companion reservoirs will now be available.

Previously, unique top covers were available for the series A (contents indicator only), series G (pressure gauge only), and series AG (contents indicator and pressure gauge) reservoirs. Going forward, the only top cover that will be available is the top cover for the AG series. This means that this top cover will contain openings for both a pressure gauge and contents indicator.

This top cover, which has 7 openings, can be used interchangeably on all models of the Companion reservoirs. It will simply contain an extra opening on units that do not have a pressure gauge or contents indicator.

This blue top cover may be ordered using PN #B-776080-00.

To order a complete shroud assembly with the blue top cover attached to the shroud body, use PN #B-775100-SV.



SeQual Eclipse PM Fan

The Eclipse PM fan is order able as a replacement part using PN #1074-SEQ.



The purpose of this fan (circled above in red) is to cool the power manager board of the Eclipse. If this fan is not turning during normal operation it can potentially cause overheating of the PM board. If the PM board overheats the Eclipse will shut off. On the Eclipse 2 & 3, an error message of FAIL 92 may be displayed on the screen once the shut off occurs.

Anytime you are servicing an Eclipse, ensure that the PM fan is turning during normal operation as an effort to prevent overheating malfunctions. For further instructions on procedures to inspect the PM fan, please [click here](#) to reference the attached field bulletin.

Change in DOT Regulation Code for HELiOS Standard Domestic Reservoirs

Effective after serial number **CBB301229XXXX**, any domestic HELiOS reservoir that is manufactured will now comply with DOT 4L50 rather than the previous regulation of DOT 4L82. For more information please [click here](#) to access the Service Bulletin.

HELPFUL HINTS / FAQs

Concentrator Monthly Run Time Reminder

All CAIRE SeQual concentrators should be run continuously for a minimum of two hours every month as part of regular maintenance. This applies to all Eclipse and Integra models regardless of age.

The recommendation is especially important for units that are left in stock on the shelf by a provider for extended

are left in stock on the shelf by a provider for extended periods of time, or units that are not used by a patient for prolonged periods of time. This monthly run time will help to ensure that all of the internal parts will operate properly when the unit is returned to service.

The monthly run time can be achieved by either running the concentrator for 1 hour every 2 weeks, or by running it for 2 hours every 4 weeks. For the Eclipse, be sure that this run time is performed on a continuous flow setting.

SeQual Service Manual Access

Q: Is there a way to access copies of the SeQual Eclipse & Integra service manuals and user manuals?

A: All of our manuals are available online. The SeQual website has a provider portal with documents in English, as well as an International portal with documents translated in several languages. Links and login information to both portals are below:

Provider Portal (English Only)

Link: http://www.sequal.com/pportal_login.php
Login: integra
Password: advantage

International Portal

Link: http://www.sequal.com/pportali_login.php
Login: global
Password: eclipse

Once in the portal, you will be able to download PDF copies of all of the SeQual concentrator service manuals, as well as training presentations, field bulletins, travel documents for the Eclipse, and many other useful documents.

Gen 4 Meter Calibration

The Gen 4 meter should be calibrated when:

- A replacement meter is installed on a portable or reservoir.
- A faulty reading is suspected.
- Multiple LEDs illuminate when pressing the green button. Multiple LEDs indicate an error code. There

are a few different error codes that may present themselves on the Gen 4 meter any time that the contents are not read properly in the LOX tank. Any time an error message is given, the first troubleshooting step is to attempt to recalibrate the meter.

Calibration should be done when the reservoir or portable is empty. The calibration process is simple. However, it is important to remember that there are two distinct steps in the calibration process. You must first perform the "empty calibration" to give the unit a base capacitance value for comparison when the tank is empty. You must then complete the second step, the RP6 -- G4 Meter Span Setting Adjustment or "simulated full calibration" to give the meter a reference capacitance value for when the tank is full. This second step is also performed while the tank is empty.

Below is the procedure to calibrate a Gen 4 meter:

Empty Capacitance Calibration:

1. Completely empty Dewar.
2. Allow Dewar to warm to room temperature.
3. Enter Calibration Mode
 - a) Press and hold the hidden calibrate button located on the center of the meter face.
 - b) While holding the calibrate button, press and hold the green operate button.
 - c) Continue holding both buttons until LED 1 and LED 8 alternately flash. The meter is now in calibration mode.
 - d) Release both buttons

NOTE: Step 4 must be performed within 45 seconds or calibration mode will exit.
4. Press and hold the hidden calibrate button for 3 seconds. LED 1 will flash for 3 seconds followed by a short pause.
5. If successful, LED 1 will flash again for 3 seconds and exit calibration mode storing the new empty value.

6. If calibration is unsuccessful, multiple LEDs will flash. The LEDs indicate what error has occurred.

RP6 -- G4 Meter Span Setting Adjustment:

1. Enter Calibration Mode.

a) Press and hold the hidden calibrate button located on the center of the meter face.

b) While holding the calibrate button, press and hold the green operate button.

c) Continue holding both buttons until LED 1 and LED 8 alternately flash. The meter is now in calibration mode.

d) Release both buttons

NOTE: Step 2 must be performed within 45 seconds or calibration mode will exit.

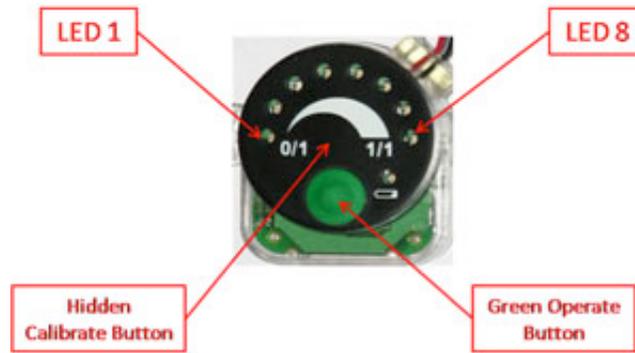
2. Press the green operate button 3 times within a 5 second period.

3. One of the meter's LEDs will light continuously, signifying one of the CAIRE models shown below.

4. Press the hidden calibrate button until the LED which matches the unit being calibrated is continuously lit. See the table below for the correct LED setting for your unit.

<u>MODEL</u>	<u>LED SETTING</u>
Liberator 10	LED 1
Liberator 20	LED 2
Liberator 30	LED 3
Liberator 37	LED 3
Liberator 45	LED 7
Liberator 60	LED 6
Low Loss 31 & Low Loss 41	LED 3
Stroller & Hi-Flow	LED 8
Sprint	LED 3

5. Once the correct LED for your unit is lit, press the green "operate button" to store the setting and exit calibration mode.



ACCESSORIES

Demand Nasal Cannulas

CAIRE offers three demand nasal cannulas for purchase. Cannulas are available in lengths of 4 ft. (1.22 m), 5 ft (1.52 m), and 7 ft (2.13 m). The three lengths of demand nasal cannulas can be ordered using the following part numbers:

PN #20574978 Demand Nasal Cannula 7 ft (2.13 m)
 PN #20574977 Demand Nasal Cannula 5 ft (1.52 m)
 PN #20574985 Demand Nasal Cannula 4 ft (1.22 m)

Eclipse Travel Case

An Eclipse travel case can be ordered using PN #5010-SEQ. This case is ideal for patients traveling via air or car to store all of their Eclipse power supplies and accessories. The case features 3 adjustable velcro inner partitions that adjust to provide 4 sections to house multiple batteries, AC power supplies, and DC power supplies. The case also easily slips over the handle of the Eclipse cart for easy transportation.



Pulse Volume Meter

CAIRE sells a pulse volume meter for testing the bolus volume on pulse flow. This tool is required to test the flow of the Spirit portables. A pulse volume meter measures the quantity of oxygen delivered in each bolus in milliliters. The pulse volume meter can be ordered using PN #11781228.



SERVICE SCHOOLS & TRADESHOWS

Mark Your Calendars for our Upcoming 2012 Service Schools!

USA

Concentrator Technical Training in English

August 13-14
Ball Ground, GA

LOX Technical Training in English

August 15-16
Ball Ground, Georgia

Concentrator Technical Training in English

November 5-6
Ball Ground, GA

LOX Technical Training in English

November 7-8
Ball Ground, Georgia

To register for 2012 US LOX Training, [download this form](#).

To register for 2012 US Concentrator Training, [download this form](#).

Europe

Europe

LOX Technical Training in German

September 5 & 6
Wuppertal, Germany

LOX Technical Training in English

October 16 & 17
Wokingham, UK

LOX Technical Training in French

October 17 & 18
Fonsorbes, France

LOX Technical Training in Italian

November 14 & 15
Padova, Italy

For more information on the 2012 European trainings, please contact Jim Gibson at jim.gibson@chart-ind.com.

Tradeshows

We'll also be present at the following tradeshows this month, so feel free to stop at our booth! To find out more about any of the following shows, please click on its title and you will be directed to the show site.

[GAMES 2012 Annual Convention](#)

August 5-7
St.Simons Island, GA

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