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# Med Tips

November 2014

In This Issue

- [Product Information](#)
- [Helpful Hints/FAQs](#)
- [Accessories](#)
- [Service Schools & Tradeshow](#)
- [Contact Us](#)

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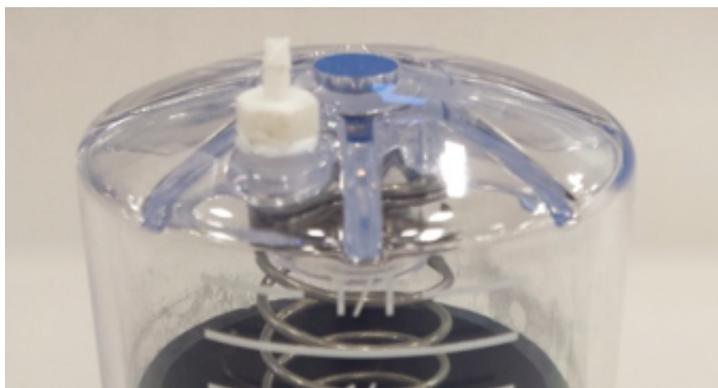
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## PRODUCT INFORMATION

### Companion Reservoir Contents Indicator Part Number Change

Effectively immediately, the part numbers for the Companion Reservoir contents indicator have changed. This is a part number change only; there have NOT been any changes to the contents indicator. When ordering a liquid level indicator for CAIRE Companion LOX reservoirs the part numbers have changed from the previous "-SV" suffix to "-00", please see chart below.

Companion Reservoir	Contents Indicator
C21	B-775845-00
C31	B-775846-00
C41	B-775847-00





For assistance with part numbers, please contact Technical Service.

## LOX Portable Cart

CAIRE has now introduced a new cart for all CAIRE liquid oxygen portable units. Effective immediately, part number 20765565 is the cart for all CAIRE LOX portables.



**PN: 20765565**

## LIBERATOR DRAIN TUBE DIAMETER INCREASE SERVICE BULLETIN

Effective 11/24/2014, the Liberator reservoirs will be manufactured with a larger drain tube inside of the condensation pan. The purpose of the larger diameter drain tube will be to reduce the possibility of the tube clogging while the unit collects condensation.

Download the CAIRE service bulletin [here](#).

### 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
  1. Press and hold the hidden calibrate button located on the center of the meter face.
  2. While holding the calibrate button, press and hold the green operate button.
  3. Continue holding both buttons until LED 1 and LED 8 alternately flash. The meter is now in calibration mode.
  4. 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.

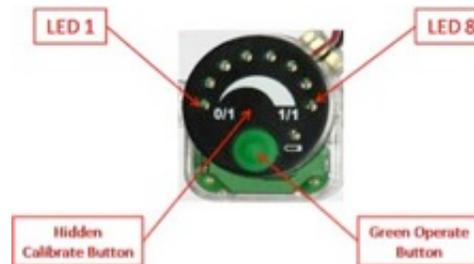
#### RP6 -- G4 Meter Span Setting Adjustment:

1. Enter Calibration Mode.
  1. Press and hold the hidden calibrate button located on the center of the meter face.
  2. While holding the calibrate button, press and hold the green operate button.
  3. Continue holding both buttons until LED 1 and LED 8 alternately flash. The meter is now in calibration mode.
  4. 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.

MODEL	LED SETTING
Liberator 10	LED 1
Liberator 20	LED 2
Liberator 30	LED 3
Liberator 37	LED 3
Liberator 45	LED 7

LIBERATOR 75	LED 7
Liberator 60	LED 6
Low Loss 31 & Low Loss 41	LED 3
Stroller & Hi-Flow	LED 8
Sprint	LED 3

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



## HELPFUL HINTS / FAQs

### HELiOS Reservoir Flow Control Valve (FCV) Parts

**Q:** I have a broken faceplate on my FCV for my HELiOS reservoir, can I order just the parts I need or do I need to order the entire FCV?

**A:** Yes, the complete Flow Control Valve can be ordered using part number B-701655-FLO. Individual components can be ordered for your HELiOS Reservoir FCV using the part numbers below:

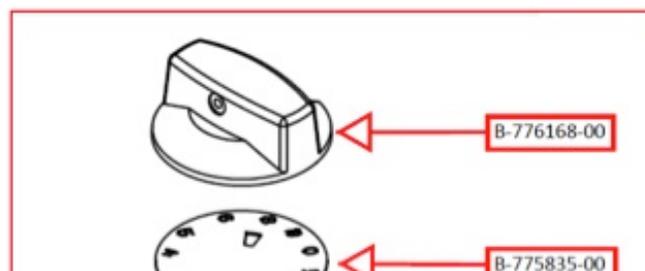
B-776168-00 KNOB-FCV (12 POSITION)

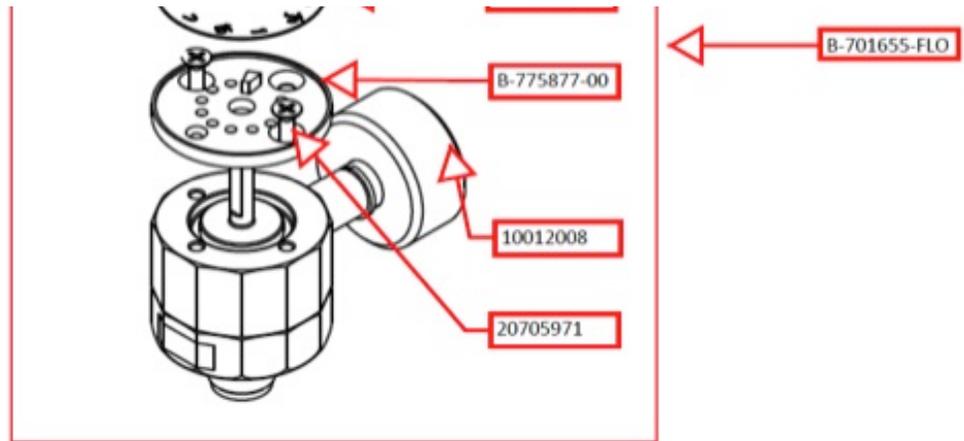
B-775835-00 0-10 FCV DECAL

B-775877-00 PLATE-FLOWLOCK (12 POSITION)

10012008 O-RING

20705971 SCREW 1/4"





## eQuinox & Eclipse Desktop Charger

**Q:** Are the eQuinox and Eclipse desktop chargers interchangeable?

No, the eQuinox and Eclipse batteries use two different types of desktop chargers. Neither can be used to charge the other unit's batteries.



The Eclipse desktop Battery Charger 7112-SEQ will charge a battery in approximately 3 hours.



The eQuinox desktop Battery Charger 4980-SEQ will charge a battery in approximately 3 to 5 hours depending on if a 12 or 24 cell battery is being charged.

## ESD Protections

All CAIRE concentrators contain electrostatic sensitive components. CAIRE recommends that concentrators be opened or handled only at a static free workstation. Do not remove any electronic components from the concentrator without ESD (electrostatic discharge) protection. An ESD system should be used any time the unit is opened, including when performing preventative maintenance procedures.



Note: ESD mats can be purchased through most electronic stores or websites.

## ACCESSORIES

### Power Supply Usage When Traveling with a CAIRE POC

When traveling abroad with a CAIRE portable oxygen concentrator the user can operate the unit with the power supply that came with their unit as long as certain requirements are met. CAIRE power supplies will operate on AC voltages between 100 to 240VAC, and at 50-60Hz.

Examples:



FREESTYLE

FREESTYLE S

ECLIPSE

The user can match the receptacle type from the region they are visiting to an AC power cord that can be purchased through most electronic stores or websites, or they can purchase a Universal Power Plug Set to use with their existing AC cord. The Universal Power Plug Set is ideal for international travel to Europe, UK, New Zealand, North/South America, Japan and Taiwan. Rated at 10A, it is capable of supporting the current demand of CAIRE portable concentrators.



PN: 5591-SEQ

## SERVICE SCHOOLS & TRADE SHOWS

**Mark Your Calendars for our Upcoming 2014 Service Schools!**

### USA

#### **Service School Dates:**

For additional details and registration information about these trainings, please visit the "[Service Schools](#)" page on our website.

**Concentrator Training: November 10, 11, 12 in Ball Ground, GA**

**LOX Training: November 13 & 14 in Ball Ground, GA**

*\*Ball Ground trainings include a tour of our CAIRE and SeQual manufacturing facility.*

### Europe

**2014 Service School dates have been released!**

For additional details and registration information about these trainings, please visit the ["Events & Service Schools"](#) tab of our website.

### English Concentrator Training: November 18, 19, 20 in Wokingham, UK

## Trade Shows

We will be attending the following trade shows this month. We would love for you to stop by our booth!

### WVMESA

November 10  
Charleston, WV

### Medica

November 12-15  
Dusseldorf, Germany  
Hall 11 Stand C67

### Lung Force Expo

November 14  
Orlando, FL

### OAMES

November 18-19  
Columbus, OH

### Respiratory Rally

November 20  
San Diego, CA

## CONTACT US

### For ordering information, contact Customer Service:

United Kingdom	+44 (0) 1189 367060
France	+33 (0) 561 429 411
Germany	+49 (0) 202 739 55420
Italy	+39 049 879 9601 customerservice.europe@chartindustries.com
Australia/New Zealand	+61 2 9749 4333 customerservice.australia@chartindustries.com

Asia/Pac Rim	770.721.7759 csasia@chartindustries.com
The Americas	770.721.7759
US Toll-Free	800.482.2473 customerservice.usa@chartindustries.com

**For technical information, contact Technical Service:**

United Kingdom	+44 (0) 1189 367060
France	+33 (0) 561 429 411
Germany	+49 (0) 202 739 55420
Italy	+39 049 879 9160
	techservice.europe@chartindustries.com
Asia/Pac Rim	+61 2 9749 4333 techservice.asia@chartindustries.com
The Americas	770.721.7759 techservice.usa@chartindustries.com
US Toll-Free	800.482.2473
	techservice.usa@chartindustries.com

[www.CAIREmedical.com](http://www.CAIREmedical.com)

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