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## Med Tips

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**April 2012**

### PRODUCT INFORMATION

**PDF Version**

To view Med Tips in PDF, [click here.](#)

### LOX Reservoir--Condensate Collectors

Replacement condensate collectors are available for all models of CAIRE LOX reservoirs. The HELiOS reservoirs utilize a condensate tray, while Companion and Liberator reservoirs utilize a condensate bottle. Use the table below as a guideline for ordering replacement condensate collectors:

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#### Liberator

Component	Part Number
Condensate Bottle	CA404899
Bottle Bracket	11892892 (Lib 60 Only) 10584513 (All Other Sizes)
Drain Tube	10657807

#### HELiOS

Component	Part Number
Condensate Tray	B-701546-00

#### Companion

Component	Part Number
Condensate Bottle	B-701320-00
Bottle Bracket	B-701360-00
Drain Tube	B-701359-00
Kit (Includes All 3 Items)	B-701362-00

### Eclipse Case Part Numbers

Below is a table to be used as a guideline for ordering replacement cases for the Eclipse:

Model	Top Case Assembly	Bottom Case Assembly
Eclipse 1	SP6971-SEQ	SP6949-SEQ
Eclipse 2	SP4041-SEQ	SP4042-SEQ
Eclipse 3	SP4241-SEQ	SP4242-SEQ

The part number given for the top case is the case assembly. This includes the membrane (keypad) panel and ribbon cable to attach it to the circuit board. The images below show the way to visually differentiate between the three models by looking at the membrane panel.



Eclipse 1



Eclipse 2



Eclipse 3

### Eclipse Power Supply Specifications

The power specifications of the Eclipse are commonly requested. The tables below give the power specifications of the Eclipse:

#### Eclipse Power Consumption

Nominal Power @ 0.5 LPM	48 Watts
Nominal Power @ 3.0 LPM	145 Watts
Nominal Power @ 1.0 Pulse	45 Watts
Nominal Power @ 6.0 Pulse	95 Watts

#### AC Power Supply Specifications

Input Voltage	100-240 Volts AC 50 - 60 Hz
Input Power	245-260 VA
Output Voltage	28 VDC
Output Power	200 Watts

#### DC Power Supply Specifications

Input Voltage	11.5 - 18 Volts DC
Output Voltage	26 Volts DC
Output Power	150 Watts (maximum)

In reference to the AC & DC power supplies, input refers to what is received by the power supply from the power source (wall outlet, car accessory outlet, etc.) and output refers to what is delivered by the power supply to the Eclipse.

#### HELPFUL HINTS / FAQs

#### HELiOS Portable Flow Issue

**Q:** My patient is complaining that their HELiOS portable is not pulsing. They are using a demand flow setting and no air is coming out. What things should I check for?

**A:** Below is a list of successive steps to check when a patient is complaining that their HELiOS portable is not pulsing:

1) Be sure the patient is using a dual-lumen cannula. A dual-lumen cannula must be used at all times. If a single lumen cannula is used, the portable will not be able to

When cannula is used, the portable will not be able to sense a breath to trigger the demand flow or initiate and maintain continuous flow.

- 2) Be sure the cannula is firmly connected to both barbs on the front of the portable.
- 3) Confirm that the patient's cannula is not kinked or bent and that it contains no blockages. Swap the cannula if necessary.
- 4) Verify that the patient is breathing through their nose.
- 5) If they are breathing through their nose, it is possible that they have an obstructed nostril. Try switching the cannula barbs to see if this makes a difference.
- 6) Ask the patient when the unit was last filled. If it was recently filled, it is possible that the pressure needs to stabilize before the unit can be used. Wait at least 30 minutes to allow pressure to stabilize and then attempt to breathe from the HELiOS again.

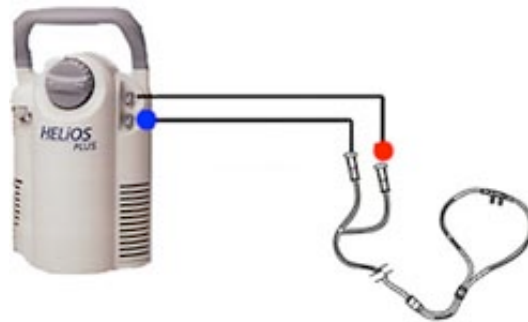


Figure Key:

**Red:** Oxygen Delivered to the Patient (Delivery)

**Blue:** Patient's Breath is Detected (Sense)

### Eclipse Low Purity Alarm

**Q:** My Eclipse has a flashing yellow light at all times, but it is not beeping. What does this mean and how can it be resolved?

**A:** The Eclipse concentrator is self diagnostic. Pressing the no smoking symbol once, located on the left side of the membrane panel, will provide an alarm code. This code will tell a technician the cause of the alarm. Any time the yellow or red service lights are on an alarm code is accessible.

A yellow flashing light with no audible buzzer will produce

an alarm code of ALKM=UØ on the Eclipse 3, or AC=UØ on the Eclipse 1 & 2. This indicates that the oxygen purity measured is less than 85%. Service to the Eclipse is necessary.

First, ensure that the Eclipse is in a well-ventilated area. The path of flow into the inlet filter on the back of the Eclipse and out of the exhaust vent at the bottom of the Eclipse should be clear.

If the Eclipse is well ventilated, the next inspection should be the integrity of the filters. The Eclipse has 1 external filter (air inlet) and 2 internal filters (compressor intake & HEPA). If any of these filters appear dirty or obstructed, they can be changed in an attempt to repair purity below 85%.

If the low purity condition persists, contact technical support or reference the Eclipse service manual for further steps to resolve low oxygen purity.

## ACCESSORIES

### LOX Portable Pressurizing Fixtures

A pneumatic pressurizing fixture can be ordered for select CAIRE portable units. This tool is used to pressurize a portable unit using gaseous oxygen or nitrogen. Gas pressure can be used to perform many of the tests suggested by CAIRE for portable units, including relief valve testing, flow testing, and leak testing.

The pressurizing fixture for CAIRE side fill portables can be ordered using part number #97112026, and the fixture for CAIRE top fill (PB-style) portables is #10679871.

The side fill fixture is pictured below. The fixtures contain a DISS thread fitting on the side to attach to a gaseous source.



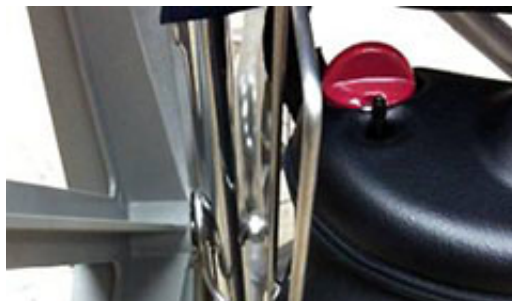


### Wheelchair Basket for the C1000/C1000T

The CAIRE wheelchair basket can be ordered for easy transportation of both the Companion portables (C1000, C1000T) and Hi Flow Stroller. This basket is fabricated from 3/16" 304 stainless steel round rod and is all welded construction. The wheelchair basket can be ordered using part number #B-775538-00. Please see the below pictures demonstrating how the basket attaches to the wheelchair.



Shown here with a C1000T portable. Notice that the top hook slips over the left wheel axel, and the bottom hooks sit on the left tipping lever.





A closer view of the attachment between the basket and the wheelchair, shown here holding a Hi Flow Stroller.

## SERVICE SCHOOLS & TRADESHOWS

**Mark Your Calendars for our Upcoming 2012 Service Schools!**

### USA

#### Concentrator Technical Training in English

May 7-8

Ball Ground, GA

#### LOX Technical Training in English

May 9-10

Ball Ground, Georgia

#### 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

#### LOX Technical Training in English

April 17 & 18

- Wuppertal, Germany  
**LOX Technical Training in Italian**  
April 17 & 18  
Padova, Italy
- Concentrator Technical Training in English**  
May 22 & 23  
Wuppertal, Germany
- Concentrator Technical Training in English**  
May 29 & 30  
Wokingham, UK
- LOX Technical Training in Spanish**  
June 5 & 6  
Fonsorbes, France
- Concentrator Technical Training in Spanish**  
June 7  
Fonsorbes, France
- Concentrator Technical Training in German**  
June 13 & 14  
Wuppertal, Germany
- Concentrator Technical Training in French**  
June 20 & 21  
Fonsorbes, France
- 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](mailto: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.

### **[Deutsche Gesellschaft für Pneumologie und Beatmungsmedizin \(DGP\)](#)**

**March 29-April 1**  
**Nuremburg, Germany**  
**Hall 7A, Stand #15**

### **[Medtrade Series](#)**



MediTrade Spring

April 10-April 12  
Las Vegas, Nevada  
Booth #1161

GAMES Spring State Meeting

April 24  
Macon, GA

MSRC Annual State Meeting

April 24-27  
Tan Tara, MO

Canadian Respiratory Conference

April 26-28  
Vancouver, B.C.  
Booth #2

## CONTACT US

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