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Med Tips

February, 2012

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PRODUCT INFORMATION

There are still openings in our upcoming February Concentrator and Liquid Oxygen Training Schools.

We've also added 5 more Training Schools in Europe for 2012! More information below.

Please see dates and registration forms at the bottom of this email to register!

PDF Version

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

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Change in SeQual Authorized Service Centers

Effective March 1st all SeQual warranty work for the America's will be performed at either our Georgia, California, or Canada centers. Additional information for each center provided below:

East Coast

Chart Industries, Inc.
2205 Airport Industrial Drive
Ball Ground, GA 30107
Ph: 800-482-2473

Fax: 770-721-7701
7:00am-3:30pm EST

West Coast

SeQual Technologies Inc.
12230 World Trade Drive, Ste. 100
San Diego, CA 92128
Ph: 800-826-4610
Fax: 877-786-9943
7:30am-5:00pm PST

Canada

RANA Respiratory Care Group
205 Stephen Street
Morden, Manitoba
Canada R6M 1V2
Ph: 888-822-2461
Fax: 204-822-2852

Integra Conical Spring Mounting Kit (SP2670-SEQ)

Older models of the Integra contained conical spring compressor mounts as shown in the figure below.



If replacement parts are necessary for an Integra utilizing conical springs, a kit is available that contains all the spare parts required to completely mount the compressor. This kit is part number **#SP2670-SEQ** and it contains 4 conical springs, 4 mounting bolts, 4 Neoprene washers, 4 metal washers, 2 compressor mount covers, and 2 screws for the mount covers.

Any of these parts may also be ordered separately if necessary. Use the figure below as a guideline for ordering replacement parts for conical spring mounting.





Conical Spring
#2618-SEQ



**Compressor
Mount Cover**
#2340-SEQ



Neoprene Washer
#2501-SEQ



Cover Screw
#2331-SEQ



Mounting Bolt
#2615-SEQ



Metal Washer
#2619-SEQ

HELiOS Reservoir Shrouds

There are different upper shrouds for each model of the HELiOS reservoirs. Be careful when ordering replacement shrouds to order the correct one for your model reservoir.

Use the figure below to ensure you are ordering the correct replacement shroud for your reservoir. Note that the easiest visual difference to recognize between the two shrouds is the location of the pressure gauge

pressure gauge.



LOX Lockout Plates

Lockout plates are available for several CAIRE reservoirs and portables. A lockout plate is a plastic piece placed under the flow control knob. It contains several holes each corresponding to a particular flow rate. When a rivet is placed in one of these holes, it restricts the patient from raising the flow above their prescribed rate. The table below gives a guideline for ordering lockout plates and rivets for the CAIRE devices that they can be used with.

LOX Unit	Lockout Plate	Rivet
Companion C1000/T	B-775877-00	B-775838-00
Companion Reservoir (8 Position FCV)	B-775071-00	B-775073-00
Companion Reservoir (12 Position FCV)	B-775877-00	B-775838-00
HELiOS Reservoir (external FCV)	B-775877-00	B-775838-00
Hi-Flow	CA406438	CA110071
Liberator (Pediatric 2LPM FCV)	CA406438	CA110071
Liberator (Gen 3, 6LPM & 10LPM FCV)	CA406438	CA110071
Liberator (Gen 4, 15LPM FCV)	13095627	CA110071
Sprint	CA406438	CA110071
Stroller	CA406438	CA110071

HELPFUL HINTS / FAQs

Eclipse External Power Status LED's

When troubleshooting an Eclipse for power issues, it is important to be aware of the external power status LED lights on both the power supply and the Eclipse front panel. These lights can be critical to determining the root cause of power problems with the concentrator.

On all AC & DC power supplies, there is a status LED. It should be illuminated any time when power is being received by an AC or DC outlet.

On the front membrane panel of the Eclipse, there is an external power indicator light. This light, whose location is shown below, should be illuminated any time the device is properly plugged into AC or DC power.



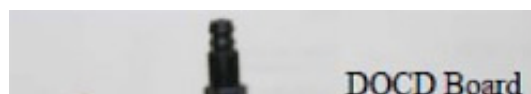
Spirit DOCD Self Calibration Reminder

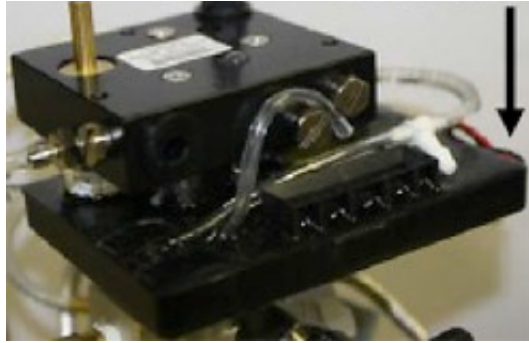
Q: I have a Spirit that flows continuously for several seconds when I first turn it on. I am using a pulse setting and should not be getting continuous flow. Is this normal behavior?

A: This is normal behavior for Spirit portables manufactured after November 2008 and OCD board replacements that were ordered after November 2008. The continuous flow will last for 10 seconds and is a self-calibration period.

In 2008 a DOCD (digital oxygen conserving device) was integrated into the Spirit product line. The new style of circuit board is a drop in replacement of the older AOCD (analog oxygen conserving device), and was introduced to improved sensitivity, performance and battery life.

The DOCD requires a calibration period when first beginning pulse flow. Anytime the Spirit is switched to a pulse dose setting from the OFF ('0') or CF setting, the portable will deliver continuous flow for 10 seconds while it self-calibrates. It will then proceed to operate normally in pulse mode.





ACCESSORIES

Eclipse Desktop Charger Operation

Q: How long does it take to charge an Eclipse battery in the desktop charger?

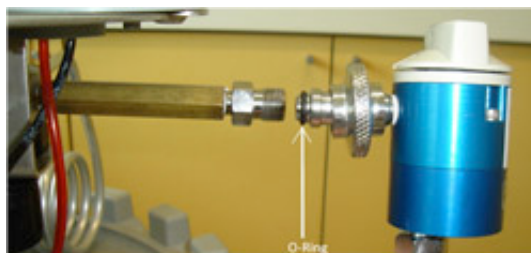
A: It takes approximately 3 hours to charge a battery from an empty to full state.

Q: How do you tell when the battery is fully charged in the desktop charger?

A: When the battery is charging, the green light will flash. When the battery is fully charged, the green light will remain illuminated continuously.

HELiOS External FCV O-Ring

The O-ring for the HELiOS external flow control valve is available as a spare part. It can be ordered using part number **#10012008**.



Revision to January Med Tips

In January Med Tips, instructions were given for installing a new compressor in an Eclipse 1 or 2.

There was some confusion regarding checking the software version of the Eclipse if a type 1 compressor was being replaced. Please follow the revised guidelines to determine if an Eclipse needs a software upgrade before replacing a Type 1 compressor with a Type 2 compressor.

NOTE: For the complete instructions, please reference last month's Med Tips.

1) Check the software version of the Eclipse and upgrade if necessary using the guidelines below.

Eclipse 1

- If the software version is 4.0 or lower, please contact CAIRE-SeQual Technical Support for directions on upgrading the software.
- If the software is version 4.1 or 4.2, a software upgrade must be performed. The upgrade can be performed using EDAT with a red software upgrade USB key (part number #5977-5-SEQ). A red USB will bring an Eclipse 1 to version 5.0 software.
- If the software version is 5.0, a software upgrade is not required.

Eclipse 2

- If the software version is 2.1 or lower, a software upgrade must be performed. The upgrade can be performed using EDAT with a red software upgrade USB key (part number #5977-5-SEQ). A red USB will bring an Eclipse 2 to version 3.0 software.
- If the software version is 2.3 or higher, a software upgrade is not required.

2) Install the replacement compressor.

3) Using EDAT, configure the motor type to "Type 2". The motor configuration is located in the advanced menu.

SERVICE SCHOOLS & TRADESHOWS

Mark Your Calendars for our Upcoming 2012 Service Schools!

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USA

Concentrator Technical Training in English

February 20-21

Ball Ground, GA

LOX Technical Training in English

Feb 22-23

Ball Ground, Georgia

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 German

February 15 & 16

Wuppertal, Germany

LOX Technical Training in Italian

February 22 & 23

Padova, Italy

LOX Technical Training in French

March 7 & 8

Fonsorbes, France

LOX Technical Training in French

March 28 & 29

Fonsorbes, France

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.

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.

HMS Equipment & Education Conference

February 17
St. Paul, MN USA

CONTACT US

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	techservice.usa@chart-ind.com

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