

Having trouble viewing this email? [Click here](#)

Hi, just a reminder that you're receiving this email because you have expressed an interest in CAIRE Inc. Don't forget to add taylor.erwin@chartindustries.com to your address book so we'll be sure to land in your inbox.

You may [unsubscribe](#) if you no longer wish to receive our emails.



CAIRE®

A Chart Industries Company

AirSep®  SeQual®

www.CAIREmedical.com

Med Tips

March 2013

In This Issue

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

PDF Version

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

Join Our List

[Join Our Mailing List!](#)

NEW!!

CAIRE Service Schools

Thank you to all that attended our Concentrator and Liquid Oxygen Service Schools in Denver, CO! If you missed our Denver Service Schools, don't fret, we host a number of Service Schools all over the world.





For more information about our upcoming trainings or to register, please [click here](#).

We look forward to hosting you at one of our upcoming Service Schools!

PRODUCT INFORMATION

"No Problem Found" (NPF) for AirSep Products--US CUSTOMERS ONLY

In an effort to continue the integration of the AirSep products into CAIRE, CAIRE will be combining policies and procedures as to how CAIRE handles returned units. This will allow CAIRE to have consistency across product

lines and will avoid unnecessary freight cost to customers.

Effective April 1st, 2013, CAIRE will incorporate a \$60 NPF for all returned AirSep products in which no problem is found. This charge will apply to all Warranty and Non-warranty units.

In the event of a NPF scenario, CAIRE will contact the customer prior to the fee being charged.

NewLife Intensity™ Features

The AirSep NewLife Intensity series offers a high output pressure at 20 psi. Due to the high output pressure, the NewLife Intensity can be used with a wide array of special applications.

A handheld or jet nebulizer can be used to provide humidification to patients with a tracheostomy.



Venturi masks can be used to offer more precise FiO_2 to the patient. The NewLife Intensity is capable of providing oxygen at the pressure needed to operate a Venturi mask at even the highest FiO_2 settings.



The dual flow option will allow for two patients to connect to the same concentrator. This option is ideal for husband and wife applications or assisted living facilities. The two flow meters can be used in any combination up to the maximum flow of the NewLife Intensity.

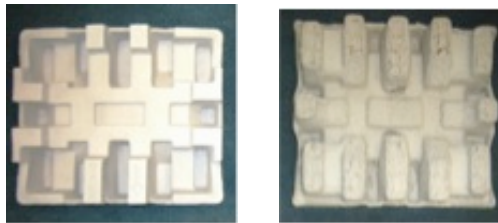




VisionAire™ Packaging Insert Change

VisionAire concentrators are now being shipped with new packaging material inserts. These new inserts will provide sturdier and more secure shipment of this product reducing the potential shipping related damage.

These new molded inserts, shown in the figure below, are made of a higher density material to resist damage. The new inserts will replace the previous cardboard version shown in the figure below.



New Molded Inserts



Previous Cardboard Inserts

Updated LOX Parts Lists for 2013

All of the illustrated parts lists have been updated for CAIRE liquid oxygen products. These updated lists can be accessed on the CAIRE website [here](#).

These lists will be organized under the Cutsheets tab by model name as shown below.

Chart Industries

CAIRE[®]
A Chart Industries Company

CHART[®]

Home Products Support SeQual AirSep About Caire Contact CAIRE

Cutsheets Literature Manuals Operating Instructions Support

Please select a language: ▾

AirSep

PN Number	Description	Language
ML121057	NewLife Elite	English
ML121058	NewLife Intensity Series	English
ML121061	VisionAire 5	English
MI121062	Focus	English
ML121063	FreeStyle 3	English
ML121064	FreeStyle 5	English
VisionAire2	VisionAire2	English

Companion 1000 & 1000T

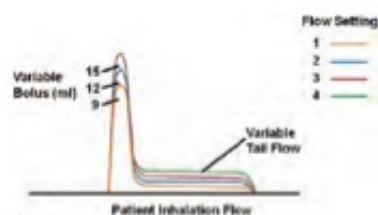
PN Number	Description	Language
20569185	C1000 Parts List	English
20569186	C1000T Parts List	English
ML120004	Companion 1000 1000T Portables	French
ML120004	Companion 1000 1000T Portables	German
ML120005	Companion 1000 1000T Portables	Italian
ML120006	Companion 1000 1000T Portables	Spanish
ML120052	Companion 1000 1000T Portables	English

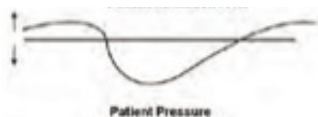
Companion 21, 31 & 41 Reservoirs

PN Number	Description	Language
20569187	Companion 21 & 41 Parts List--USA	English
20571788	Companion 31 & 41 Parts List--Europe	English
ML120013	Companion 21 41 Reservoirs US	English
ML120014	Companion 31 41 Reservoirs EU	English

HELIOS Portable Pulse Flow Test Procedure

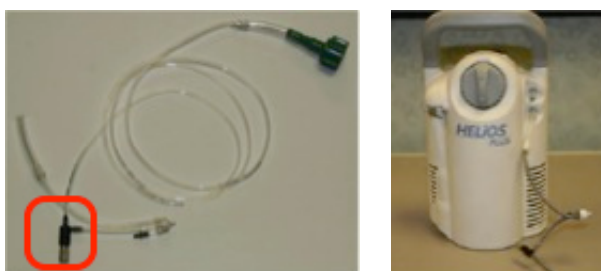
The HELiOS portable units deliver oxygen flow in two stages through the conserver. The pulse delivery is triggered when the user inhales. The pressure from inhaling will cause a diaphragm inside the conserver to open and deliver flow. The first stage of oxygen delivery is called a bolus. This is shown in Figure 3 below as the initial spike in flow. The second stage of delivery is known as tail flow. This describes a set rate of delivery for the remaining duration of the user's breath. The tail flow is the measurable value for demand flow. Once the user exhales, this pushes the diaphragm closed and stops delivery of oxygen until the next breath.





Two Stage Oxygen Delivery

In order to test the demand flow, a Jet Venturi [PN: B-778210-00] assembly can be used. This will simulate the negative pressure needed to initiate the demand pulse and maintain the tail flow indefinitely. The longer tube should be connected to a gaseous oxygen source with a regulator capable of 0-100 psi. The shorter end of the tube should be placed on the lower cannula port on the front of the portable as shown in the figure below.



A calibrated flow meter will need to be attached to the top cannula port and the portable will need to be filled from a properly saturated source of liquid oxygen. The unit is now ready for testing.

1. Make sure the needle valve, circled in red on Figure 4, is closed on the Jet Venturi and set the converter to the lowest demand setting.
2. Set the oxygen regulator to 22 psig and slowly open the needle valve on the Jet Venturi until a flow registers on the flow meter.
3. Compare the tail flow rate to Table 1 for the H300 or Table 2 for the H850 to see if the values are within specifications.
4. Adjust flow control knob to test all of the demand tail flow rates. While the Jet Venturi is connected, the continuous rates can be tested as well.

Flow Setting	Measured Flow	Specification (LPM)	Acceptable Range (LPM)
0	None	0.00	0.00
0.12	Continuous	0.12	0.02 - 0.22
0.25	Continuous	0.25	0.10 - 0.40
0.5	Continuous	0.50	0.35 - 0.65
0.75	Continuous	0.75	0.60 - 0.90

1	Tail Flow	0.50	0.50 - 0.60
1.5	Tail Flow	0.65	0.50 - 0.80
2	Tail Flow	0.75	0.60 - 0.90
2.5	Tail Flow	1.00	0.85 - 1.15
3	Tail Flow	1.50	1.30 - 1.70
3.5	Tail Flow	1.75	1.40 - 1.90
4	Tail Flow	2.00	1.70 - 2.30

Table 1: H300 Flow Tolerance

Flow Setting	Measured Flow	Specification (LPM)	Acceptable Range (LPM)
D 1.5	Tail Flow	0.65	0.5 - 0.8
D 2	Tail Flow	0.75	0.6 - 0.9
D 2.5	Tail Flow	1.00	0.85 - 1.15
D 3	Tail Flow	1.50	1.3 - 1.7
D 4	Tail Flow	2.00	1.7 - 2.3
0	None	0.00	0.00
C 1	Continuous	1.00	0.85 - 1.15
C 2	Continuous	2.00	1.7 - 2.3
C 3	Continuous	3.00	2.6 - 3.4
C 4	Continuous	4.00	3.5 - 4.5
C 5	Continuous	5.00	4.4 - 5.7
C 6	Continuous	6.00	5.3 - 6.8

Table 2: H850 Flow Tolerance

Note: It may be necessary to attach a cannula to the unit to verify that the pulse is delivered for each of the user's breaths while inhaling normally.

HELPFUL HINTS / FAQs

FreeStyle

Q: I am using the FreeStyle portable oxygen concentrator with an AirBelt® and the low battery alert sounded. What should I do?

A: When using an AirBelt in conjunction with a FreeStyle concentrator, both the AirBelt and the FreeStyle's internal battery are powering the unit at the same time. When the low battery alert sounds, AirBelt should be connected soon or the FreeStyle concentrator should be connected to an AC or DC power source to recharge the internal battery of the FreeStyle concentrator.

Note: If the FreeStyle's internal battery is allowed to fully deplete, you will NOT be able to power the FreeStyle with another AirBelt. There must be at least a small amount of charge in the FreeStyle internal battery to initiate the use of an AirBelt.

Eclipse™ Preventative Maintenance Kit

Q: I just ordered a Preventative Maintenance Filter Kit (5022-SEQ) for the Eclipse and I am unable to find where one of the filters should go. Where is the fourth filter supposed to be installed?

A: The Eclipse PM Kit was updated in early 2011 to accommodate the new product tank used in all Eclipse 3 units manufactured since 2011. The update added the new style HEPA filter and o-rings to the PM kit in addition to the existing components. With the addition of these new parts, the kit can be used to perform the filter change on any Eclipse concentrator. After the preventative maintenance filter change is performed, there will be one filter left over. This is normal as the new cartridge style HEPA filter is used in current units and the older disc shaped filter (below in red) is used in older units.



Original Filter Kit



Additional New HEPA Filter
and O-Rings

ACCESSORIES

AirSep AirBelt®

To extend the battery duration of your Focus™ portable oxygen concentrator using an AirBelt, please remember the use of an interface cable is necessary to allow connection between the AirBelt and the Focus.



AirBelt with Battery Gauge
PN: BT017



Interface Cable
PN: CD035-1



AirBelt connected to Focus

SERVICE SCHOOLS & TRADESHOWS

Mark Your Calendars for our Upcoming 2013 Service Schools!

USA

Concentrator Training: February 26, 27, 28 in Denver, CO

LOX Training: March 5 & 6 in Denver, CO

Concentrator Training: June 4, 5, 6 in Ball Ground, GA

LOX Training: June 11 & 12 in Ball Ground GA

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

Concentrator Training: September 10, 11, 12 in Buffalo, NY

LOX Training: September 17 & 18 in Buffalo NY

**Buffalo trainings include a tour of the manufacturing facility for AirSep products.

Concentrator Training: November 5, 6, 7 in Ball Ground, GA

LOX Training: November 12 & 13 in Ball Ground, GA

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

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

please visit the [EVENTS & SERVICE SCHOOLS](#) tab of our website.

Europe

German LOX Product Training: February 6 & 7 in Wuppertal, Germany
Italian LOX Product Training: February 13 & 14 in Padova, Italy
German Concentrator Training: March 5, 6, 7 in Wuppertal, Germany
French LOX Product Training: March 6 & 7 in Fonsorbes, France
French Concentrator Product Training: March 26, 27, 28 in Fonsorbes, France
English LOX Product Training: April 17 & 18 in Wuppertal, Germany
English LOX Product Training: April 24 & 25 in Wokingham, UK
Italian LOX Product Training: May 8 & 9 in Padova, Italy
English Concentrator Training: May 14, 15, 16 in Wuppertal, Germany
Spanish LOX Product Training: June 5 & 6 in Fonsorbes, France
English Concentrator Training: June 11, 12, 13 in Wokingham, UK
Spanish Concentrator Training: June 25, 26, 27 in Fonsorbes, France
German LOX Product Training: July 3 & 4 in Wuppertal, Germany
French LOX Product Training: September 11 & 12 in Fonsorbes, France
French Concentrator Training: September 24, 25, 26 in Fonsorbes, France
German Concentrator Training: October 8, 9, 10 in Wuppertal, Germany
Italian LOX Product Training: October 9 & 10 in Padova, Italy

To register or request more information on the 2013 European trainings, please contact [Jim Gibson](#).

Tradeshows

This month we will be attending the following tradeshows. We would love for you to stop by our booth!

Medtrade
March 19-21
Las Vegas, NV
Booth 637

DGP
March 20-23
Hannover, Germany
Stand 89

CONTACT US

For ordering information, contact Customer Service:

United Kingdom	+44 (0) 1189 367060
France	+33 (0) 561 089 858
Germany	+49 (0) 202 739 55420
Italy	+39 049 879 9601
	customerservice.europe@chartindustries.com
Australia/New Zealand	+61 2 9749 4333
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) 561 089 858
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

[Forward email](#)

Try it FREE today.

This email was sent to snystrom@sequal.com by taylor.erwin@chartindustries.com | [Update Profile/Email Address](#) | Instant removal with [SafeUnsubscribe™](#) | [Privacy Policy](#).

Chart Industries | 2200 Airport Industrial Dr. | Ste. 500 | Ball Ground | GA | 30107