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August, 2011

PRODUCT INFORMATION

Companion Reservoir Top Cover

The top cover of a Companion reservoir will vary based on the model. Use the chart below as a guide for ordering Companion top covers:

Model	Features (Holes For)	Top Cover Part Number
Standard & Series A	Contents Indicator	B-775102-00 (Blue) B-700305-00 (Green)
Series G	Pressure Gauge	B-775370-00 (Blue)
Series AG	Contents Indicator & Pressure Gauge	B-776080-00 (Blue) B-700323-00 (Green)



Reservoir Top Covers

The cover body to complete the shroud is #B-775101-00 for all the models listed above.

models listed above.

Companion QDV Cover

Use part number #B-777091-SV to order a QDV cover (dust cap) for a Companion reservoir. This assembly includes both the cap itself and the chain that attaches it to the shroud.

Companion Updates Explained

CAIRE has implemented several changes to the Companion line. These changes are detailed in two Service Bulletins.

- The new coil configuration for TPED reservoirs is explained in [Service Bulletin #15093730](#).
- The 3-port manifold change for USA reservoirs is explicated in [Service Bulletin #15093748](#).

SeQual Eclipse Air Inlet Filter

The air inlet filter in the back of the Eclipse provides the initial filtration of the air that is drawn into the concentrator.

To ensure that it filters appropriately, it must be cleaned once weekly using the following procedure:

- 1) Remove the filter from the back of the Eclipse
- 2) Wash the filter in warm water using a mild detergent solution
- 3) Rinse the filter thoroughly and squeeze out the excess water
- 4) Allow the filter to air dry thoroughly



The filter should be *completely* dry before it is inserted into the concentrator. Introducing moisture into the system can cause improper operation or damage to the unit. It is recommended that the Eclipse not be operated for more than 30 minutes without an inlet filter installed. It may take more than 30 minutes to fully dry the filter. For this reason, it is recommended that patients are provided with 2 air intake filters so they can be rotated during cleaning.

This filter should also be replaced annually as part of preventative

maintenance. An air inlet filter can be ordered separately using part number #7028-SEQ. Also, two filters come in the Eclipse preventative maintenance kit that is ordered using #5022-SEQ.

SeQual Eclipse Usage

The SeQual Eclipse is designed to be both a stationary and portable concentrator. Its ability to produce both pulse and continuous flow and to run from multiple power sources makes it suitable to meet more needs than simply portability and travel. It can be used at home or overnight by patients who require 0.5-3.0 LPM continuous flow.

However, there are recommendations when caring for Eclipse units that are either left in stock by a provider or not in use by the patient for a prolonged period of time. As a minimum, All Eclipse units should be run continuously for at least two hours every month regardless of whether the concentrator is in use or not. This may be achieved either by running it for 1 hour every 2 weeks or by running it for 2 hours once monthly. This will help to ensure that all of its parts will operate properly when it returns to service.

As a suggestion, this monthly run-time would be a convenient opportunity to calibrate the Eclipse power cartridge. Power cartridge calibration should also be preformed once monthly and consists of completely draining and re-charging the cartridge. For more information on power cartridge care, please reference the Eclipse technical manual and April Med Tips.

HELPFUL HINTS / FAQS

Reservoir Filling

Q: What is the recommended pressure for the supply tank used as a source for filling a CAIRE reservoir?

A: 35-50 psi (2.41-3.45 bar)

Q: Should the pressure inside of the reservoir be monitored during the fill?

A: Yes, the pressure inside of the reservoir should be monitored for the entire length of the fill. If your reservoir has a built in pressure gauge, you may use this to monitor the pressure. If it does not, you will need to attach an external pressure gauge to the oxygen outlet and set the flow control valve to 2.0 LPM to monitor pressure during the fill. An external pressure gauge assembly with tubing and a DISS connector can be ordered using part number #B-701732-00.

Q: What should the pressure inside of the reservoir be during a fill?

A: The pressure should be kept at the operating pressure of the economizer valve. Use the below chart as a guideline:

Reservoir	Fill Pressure	
Liberator	20 - 22 psi	1.38 - 1.52 bar
Companion	18 - 20 psi	1.24 - 1.38 bar

HELiOS Universal	21 - 23 psi	1.45 - 1.49 bar
HELiOS Standard	26 - 28 psi	1.79 - 1.93 bar

Q: How are the pressures listed above maintained and achieved during the entire fill?

A: The pressure in the tank should be within the ranges listed above during the entire filling process. This is done by slowly opening and closing (referred to as throttling) the vent valve. Slightly opening the vent valve will decrease the pressure, and slightly closing it will increase the pressure.

Q: Why is the pressure inside of the tank during a fill important?

A: If the reservoir is not filled at an appropriate pressure it may not operate properly. Pressure that is too high inside of a tank can cause increased evaporation and product loss, venting from the relief valves, and inaccurate flow rates. Pressure that is too low can cause a lack of flow or low flow rates. Any portable units that are filled from a reservoir with inappropriate pressure will also experience the same complications as the reservoir.

Cleaning the Eclipse

Q: What is the recommended procedure to clean the outside of the Eclipse?

A: It is recommended that a mild solution or detergent and water be used to clean the Eclipse cabinet, control panel, and power supplies (AC, DC, Power Cartridge). Follow these steps to clean the Eclipse and/or power supplies:

1. Turn OFF the Eclipse and disconnect the AC or DC power supply.
2. Dampen a cloth or sponge with water.
3. Spray or wet the cloth/sponge with the mild solution of detergent and water. DO NOT spray any liquids directly onto any components of the Eclipse or its power supplies.
4. Wipe down the cabinet, control panel, and power supplies with the cloth/sponge.

To disinfect the Eclipse, repeat steps 3-4 using Lysol® Brand II disinfectant, or another disinfectant with equivalent ingredients.

Q: What is the recommended procedure to clean the inside of the Eclipse?

A: To clean the inside of the unit, use a small vacuum cleaner or brush to remove any accumulation or dust or debris.

ACCESSORIES

Reservoir Vent Wrenches

There are two different vent wrenches that are offered for CAIRE liquid reservoirs. #B-775182-00 is used on all HELiOS and Companion

reservoirs, and **#97202005** is used on all Liberator and Low Loss reservoirs. The two wrenches are different diameters and cannot be interchanged.



Reservoir Wrenches

Eclipse Power Cartridge Faceplate

The current Eclipse power cartridge (battery) has a faceplate with a black tab that pushes downward. Older cartridges had a blue tab that pushed upward. Batteries with blue tabs and black tabs are interchangeable and can be used with all Eclipse models.

If you need to replace a broken faceplate or would like to upgrade from the blue tab to a black tab, you can order a spare faceplate using part number **#4556-SEQ**.



Eclipse 3 Power Cartridge

SERVICE SCHOOLS & TRADESHOWS

[Service Schools](#)

Service Schools

LOX Technical Training in German

September 6 & 7

Wuppertal, Germany

Concentrator Technical Training in English

September 6 & 7

Ball Ground, Georgia

LOX Technical Training in English

(US Customer Training)

September 13 & 14th

Ball Ground, Georgia

LOX Technical Training in Italian

(Italian Customer Training)

September 14 & 15

Padova, Italy

Concentrator Technical Training in English

October 4 & 5

Wuppertal, Germany

LOX Technical Training in French

October 12 & 13

Toulouse, France

Eclipse Technical Training in Spanish

October 19 & 20

Toulouse, France

Concentrator Technical Training in English

November 9 & 10

Wuppertal, Germany

LOX Technical Training in French

November 15 & 16

Toulouse, France

LOX Technical Training in English

December 6 & 7

Ball Ground, Georgia

Concentrator Technical Training in English

December 13 & 14

Ball Ground, Georgia

Concentrator Technical Training in French

December 14 & 15

Wuppertal, Germany

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

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

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

Tradeshows

We'll also be present at the following tradeshows, so feel free to stop at our booth:

ERS

September 24th - September 28th
Amsterdam, Netherlands

MedTrade

October 25th - October 27th
Atlanta, Georgia

Medica

November 16th - November 19th
Dusseldorf, Germany

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