

## January 2021 Med Tips

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### Don't miss out on our upcoming Virtual Service Schools!

#### CAIRE Service School Training Webinars 2021

CAIRE offers Virtual Service Schools covering both LOX and Concentrator lines.

Each class is a comprehensive program that focuses on the technical and service aspects of the CAIRE family products. Class time is divided between lecture and hands-on workshops. The seminars will help the student develop a better understanding of how liquid oxygen equipment or concentrators work, how to identify the symptoms and causes of potential problems and how to use the technical information that is available in the Technical Manuals. Registration for CAIRE's Service Schools is mandatory. Registration forms must be received two weeks prior to the start of the class in order to guarantee availability and materials.

Type	Language	Location	Training Dates	Registration by
LOX	French	Toulouse, France	February 2	January 19
CONC	French	Toulouse, France	February 3-4	January 20
CONC	English	Ball Ground, GA USA	February 8-10	January 25
LOX	English	Ball Ground, GA USA	February 11	January 28
LOX	Spanish	Barcelona, Spain	February 16	February 2
CONC	Spanish	Barcelona, Spain	February 17-18	February 3
LOX	German	Langenfeld, Germany	March 10	February 24
LOX	Italian	Padova, Italy	March 16-17	March 2
CONC	English	Ball Ground, GA USA	May 3-5	April 19
LOX	English	Ball Ground, GA USA	May 6	April 22
LOX	English	Wokingham, UK	May 12	April 28
LOX	French	Toulouse, France	June 1	May 15
CONC	Italian	Padova, Italy	June 8-9	May 25
CONC	German	Langenfeld, Germany	June 15-17	June 1
CONC	English	Ball Ground, GA USA	August 16-18	August 2
LOX	English	Ball Ground, GA USA	August 19	August 5
LOX	German	Langenfeld, Germany	September 15	September 1
LOX	Italian	Padova, Italy	October 19-20	October 5
LOX	English	Ball Ground, GA USA	November 11	October 28
CONC	English	Ball Ground, GA USA	November 8-10	October 25
CONC	English	Wokingham, UK	November 16-18	November 2

Table 1 - Details of upcoming training.

**Concentrator Service School Topics include:**

- Concentrator hazards and safety precautions
- Principles of pressure, flow and saturation
- Functions of the major components of a portable/stationary concentrator
- Theory of operation
- Set up and use of test equipment
- Troubleshooting, repair and performance verification/testing procedures

**LOX Service School Topics include:**

- Liquid oxygen (LOX) hazards and safety precautions
- Principles of pressure, flow and liquid oxygen saturation
- Functions of the major components of a liquid oxygen system
- HELIOS™ system theory of operation
- Reservoir and portable filling procedures
- Set up and use of test equipment

**Please submit your registrations forms no later than the dates in Table 1 above. If you are interested in the service schools mentioned above, and it is passed the registration date please reach out to the registration emails below. Please note that CAIRE may adjust to an in-person setting as we monitor the global health situation.**

**To register for Service School, please email:**

[Techservice.global@caireinc.com](mailto:Techservice.global@caireinc.com) for USA Training or [jim.gibson@caireinc.com](mailto:jim.gibson@caireinc.com) for European Training.

## **PRODUCT UPDATES**

### **CAIRE POC battery lithium content**

The table below details the battery lithium content of CAIRE's Portable Oxygen Concentrators.

A material safety data sheet is available for the batteries by sending a request to [TechnicalServiceGlobal@caireinc.com](mailto:TechnicalServiceGlobal@caireinc.com). This document is required by the airlines when transporting a portable oxygen concentrator on board.

Product	Battery Part Number	Battery Output Voltage	Battery Capacity	Weight of Lithium contained in Battery
SAROS	9723-SEQ	14.8 VDC	88 W-hours	7.20 grams
Eclipse	7082-SEQ	14.8 VDC	2 x 97.5 W-hours	2 x 7.92 grams (15.84 grams Total)
eQuinox 12 cell	4823-SEQ	14.8 VDC	89 W-hours	7.38 grams
eQuinox 24 cell	4972-SEQ	14.8 VDC	2 x 95 W-hours	2 x 7.92 grams (15.84 grams Total)
FreeStyle Comfort 8 cell	BT034-1S	14.4 VDC	96.5 W-hours	7.68 grams
FreeStyle Comfort 16 cell	BT035-1S	14.4 VDC	2 x 96.5 W-hours	2 x 7.68 grams (15.36 grams Total)
FreeStyle 3 with Internal Battery	BT018-1S	14.8 VDC	59.2 W-hours	4.8 grams
FreeStyle 5 with Internal Battery	BT021-1S	14.8 VDC	76.96 W-hours	5.68 grams
FreeStyle 3/5 with External Battery	BT033-1	14.4 VDC	96.5 W-hours	7.92 grams
Focus	BT023-1	14.8 VDC	38.48 W-hours	3.14 grams

## Helpful Hints & FAQs

### Top and Side Fill Female QDV Lip Seal

Previously models of the QDV Lip Seal contained either a silicone O-ring (P/N CA110104) or were manufactured with a steel rosette spring (P/N B-775260-00). Existing stock of QDVs equipped with CA110104 will be utilized, and then replaced by, B-775260-00, which will be used on all Top and Side Fill Female QDVs. The CA110104 and B-775260-00 lip seals are both forwards and backwards compatible. All female side fill QDV built prior to 11 July 2016, should continue to use part CA110104. Any built after 11 July 2016, should use part B-775260-00. This is due to the side fill QDV requiring a small chamfer to enable the B-775260-00 to fit correctly.



Left is CA110104. Right is B-775260-00

### SeQual Eclipse™ Case Screw Part Number

**Q.** What is the part number for replacement screws that secure the Eclipse™ bottom case to the top case?

**A.** The case screw utilized on the Eclipse is PN 6974-312-SEQ. Each back case will require a total of 10 screws.

**CONTACT:**

For technical questions or concerns, contact Technical Service:

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