



June 2022 Med Tips

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

CAIRE Service School Training Webinars 2022

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.

Table 1 - Details of upcoming training.

Type	Language	Location	Training Dates	Registration by
CONC	English	Ball Ground, GA USA	August 15-16-17	August 1
LOX	English	Ball Ground, GA USA	August 18	August 1
LOX	German	Langenfeld, Germany	September 14	September 1
LOX	LATAM	Toulouse, France	September 20	September 6
CONC	LATAM	Toulouse, France	September 21-22-23	September 6
LOX	Italian	Padova, Italy	October 18	October 4
CONC	German	Langenfeld, Germany	October 25-26-27	October 11
CONC	English	Ball Ground, GA USA	November 7-8-9	October 25
LOX	English	Ball Ground, GA USA	November 10	October 25

We reserve the right to cancel training seminars at short notice. Customers should ensure that they take necessary precautions to ensure costs are covered in case of cancellation. Training will be in the form of a Webinar.

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 registration forms no later than the dates in Table 1 above. If you are interested in the service schools mentioned above, and it is past the registration date, please reach out to the registration emails below. **Please note that as travel restrictions and Covid-related guidelines evolve, we intend to restore CAIRE Service School to in person.**

To register for Service School, please email:

Techservice.global@caireinc.com for USA Training or jim.gibson@caireinc.com for European Training.

PRODUCT UPDATES

Availability of Spare Flow Control Valves, Secondary Relief Valves, Manifolds, and Economizers

This bulletin is meant to clarify the service part usage for previous design and current design liquid oxygen portables and reservoirs. Refer to the tables below for the appropriate service part for a given device and the example figures for previous vs. current parts.

Table 2: Portables

Current Design (manufactured after 1/27/2020) Beginning S/N CBB3120041085	Previous Design (manufactured before 1/27/2020)	Type Valve	Model	Notes
Flow Control Valves				
11014539TS	11014521T	FCV 20 PSI - 6 LPM	Sprint/Stroller W/Meter	
14812860TS	14034703T	FCV 20 PSI - 15 LPM	Hi Flow Stroller W/Meter	
21366017S	14700235T	FCV 20 PSI - 2 LPM	Sprint/Stroller W/Meter	Pediatric
11014539TS	11014539TS	FCV 20 PSI - 6LPM	Sprint/Stroller W/Scale	
14812860TS	14812860TS	FCV 20 PSI - 15 LPM	Hi Flow Stroller W/Scale	
14700235T	14700235T	FCV 20 PSI - 2 LPM	Sprint/Stroller W/Scale	Pediatric

Secondary Relief Valves				
10491253T	13110225	SRV 30 psi new/ 65 psi old	Hi Flow Stroller	
Manifolds				
10564619S	21495020S	Manifold Assy 1.2L SF SVCE	Stroller/Hi Flow Stroller	
10812918S	21495021S	Manifold Assy 1.2L W/Auto Close VV, SVCE	Stroller/Hi Flow Stroller	
10812900S	21495022S	Manifold Assy 1.2L, Germany, SVCE	Stroller/Hi Flow Stroller	
10597787S	21495026S	Manifold Assy 1.2L TF, SVCE	Stroller/Hi Flow Stroller	

Table 3: Liberator

Current Design (manufactured after 4/1/2020) Beginning S/N CBB302014001	Previous Design (manufactured before 4/1/2020)	Type Valve	Model	Notes
Flow Control Valves				
21449808S	13110145	FCV 20 PSI - 15 LPM	Liberator - 20 PSI	16 Pos. Gen 4
21449806S	13110153	FCV 50 PSI - 15 LPM	Liberator - 50 PSI	16 Pos. Gen 4
21494787S	14700243T	FCV 20 PSI - 2 LPM	Liberator - 20 PSI	Pediatric
N/A	10480511T	FCV 20 PSI - 6 LPM	Liberator - 20 PSI	12 Pos. Gen 3
N/A	11018986T	FCV 20 PSI - 15 LPM	Liberator - 20 PSI	12 Pos. Gen 3
Secondary Relief Valves				
21215214	13110217	SRV 30 PSI	Liberator - 20 PSI	
21215227	*13110225	SRV 65 PSIG	Liberator - 50 PSI	*Was also used on Hi Flow Strollers (manufactured before 1/27/2020)
Economizer Regulators				
21341644	10531833LAN	Econ. Regulator 20 psi	Liberator - 20 PSI	
21341648	10670260	Econ. Regulator 50 PSI	Liberator - 50 PSI	
21341652	10670251	Econ. Regulator 20 PSI Japan	Liberator - 20 PSI	

Please refer to Service Bulletin PN 21495031.

Helpful Hints & FAQs

Stroller Hard Case

When ordering a replacement case for a Stroller, it is necessary to distinguish between a "narrow" and "wide" case. Below is a picture showing the visual difference between these two styles.

Please note that the case assembly includes only the front, back, and bottom covers. The case assembly does not include the top cover or the dome cover. The Wide version case assemblies can be used on both the Gen 3 and Gen 4 hard case Strollers. Narrow description is omitted on part list.

Part numbers for these replacement cases are available from the Parts List (PN 13740868), available on our [caireinc.com](https://www.caireinc.com/providers/business-support-programs/knowledge-center/) website Knowledge Center - <https://www.caireinc.com/providers/business-support-programs/knowledge-center/>.



Left is narrow case. Right is wide case.

FreeStyle Comfort DC Power Operation

The FreeStyle Comfort is fully functional for use on DC power. The FreeStyle Comfort will also recharge the battery pack if needed any time DC power is available. The battery pack will recharge while connected to DC Power both if the unit is off, or on and in use.

Note: Do not operate the device 12 VDC car outlets while the vehicle is turned off.

Instructions:

1. Consult your vehicle owner's manual for its DC Accessory outlet requirements.
2. Secure your FreeStyle Comfort within your vehicle. Position the unit upright in the vehicle so you can view alerts and alarms after going through this exercise and while you are using the concentrator.
3. Turn on your motor vehicle.
4. Connect the DC power supply to the power port receptacle front, bottom right side of the FreeStyle Comfort. Be sure to push inward so that the connection is secure.
5. Connect the opposite end of the DC power cord to the automobile or other DC accessory outlet.
6. Turn on the FreeStyle Comfort by pressing the power button and select your prescribed flow setting utilizing the increase (+) or decrease (-) flow buttons.

Document Update

We advise our valued customers to monitor and check that they are using the most recent revision of any documents for the model of equipment they have.

TOP FILL POSTERS:

- ML-LOX0004 English
- ML-LOX0004-1 French
- ML-LOX0004-2 German
- ML-LOX0004-3 Spanish

SIDE FILL POSTERS:

- ML-LOX0034 English
- ML-LOX0034-2 German

Other:

- ML-CONC0165 FreeStyle Comfort Retail Program Trifold
- 21182453 Eclipse 5 manual English
- 21182453-C4 Eclipse 5 manual multi language

Med Tips Distribution!

The CAIRE team is asking all new subscribers to CAIRE's Med Tips Newsletter to register in order to start receiving this monthly communication.

Please click this link - <http://go.pardot.com/l/710913/2022-01-17/2pgcj9> - and provide us with your current information. Thank you and we appreciate your support.

CONTACT:

For technical questions or concerns, contact Technical Service:

USA: 800-482-2473

techservice.global@caireinc.com

Europe: +44 (0) 118 936 7060

techservice.global@caireinc.com

For ordering information or general inquiries, contact Customer Service:

USA: 800-482-2473

customerservice.usa@caireinc.com

Europe: +44 (0) 118 936 7060

customerservice.europe@caireinc.com

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Please consult the applicable product instructions for use for product indications, contraindications, warnings, precautions, and detailed safety information.



SERVICE BULLETIN

PN: 21495031

RELEASE DATE: June 8, 2020

REVISION DATE: July 28, 2020 (Rev. B); May 01, 2021 (Rev. C)

MODEL: Liberator® Reservoir, Sprint™, Stroller®, and Hi Flow Stroller®

ISSUE: Availability of Spare Flow Control Valves, Secondary Relief Valves, Manifolds, and Economizers

NOTES: This bulletin is meant to clarify the service part usage for previous design and current design liquid oxygen portables and reservoirs. Refer to the tables below for the appropriate service part for a given device and the example figures for previous vs. current parts.

Table 1: Portables

Current Design (manufactured after 1/27/2020) Beginning S/N CBB3120041085	Previous Design (manufactured before 1/27/2020)	Type Valve	Model	Notes
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14812860TS	14034703T	FCV 20 PSI - 15 LPM	Hi Flow Stroller W/ Meter	
21366017S	14700235T	FCV 20 PSI - 2 LPM	Sprint/Stroller W/ Meter	Pediatric
11014539TS	11014539TS	FCV 20 PSI - 6LPM	Sprint/Stroller W/ Scale	
14812860TS	14812860TS	FCV 20 PSI - 15 LPM	Hi Flow Stroller W/ Scale	
14700235T	14700235T	FCV 20 PSI - 2 LPM	Sprint/Stroller W/ Scale	Pediatric
Secondary Relief Valves				
10491253T	13110225	SRV 30 psi new/ 65 psi old	Hi Flow Strollers	
Manifolds				
10564619S	21495020S	Manifold Assy 1.2L SF SVCE	Stroller/Hi Flow Stroller	
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10812900S	21495022S	Manifold Assy 1.2L, Germany, SVCE	Stroller/Hi Flow Stroller	
10597787S	21495026S	Manifold Assy 1.2L TF, SVCE	Stroller/Hi Flow Stroller	

NOTE: Portable Scale units in Table 1 did not undergo the FCV change. Included for reference.

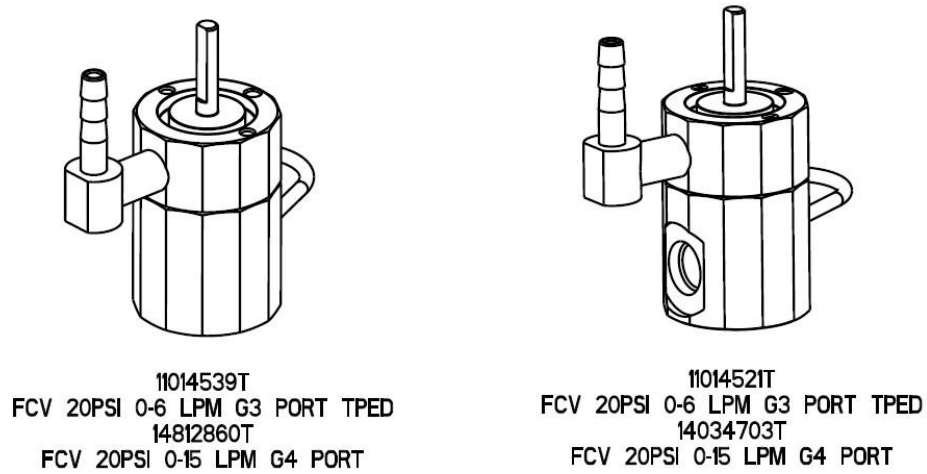


Figure 1: Portable Flow Control Valves

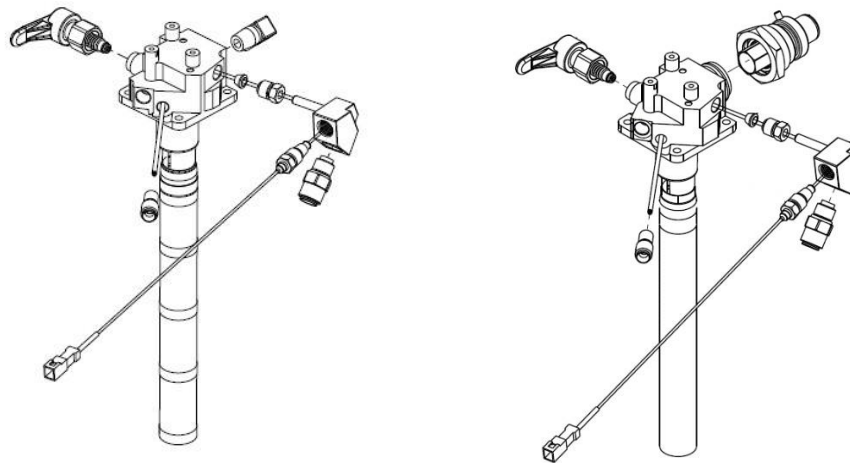


Figure 2: Manifold Assembly - Current version

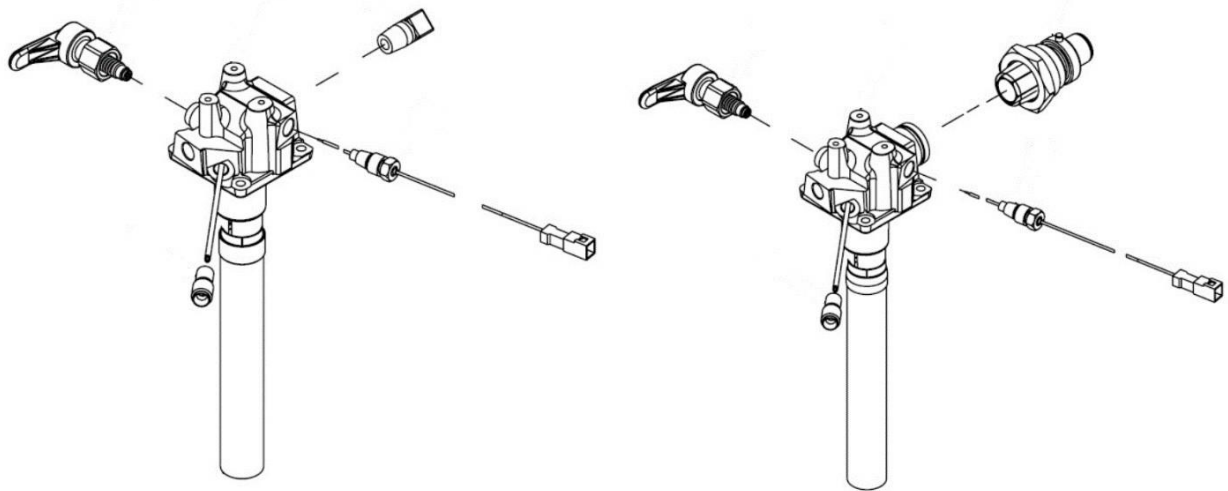


Figure 3: Manifold Assembly - Previous Version

Table 2: Liberator

Current Design (manufactured after 4/1/2020) Beginning S/N CBB3020140001	Previous Design (manufactured before 4/1/2020)	Type Valve	Model	Notes
Flow Control Valves				
21449808S	13110145	FCV 20 PSI - 15 LPM	Liberator - 20 PSI	16 Pos. Gen 4
21449806S	13110153	FCV 50 PSI - 15 LPM	Liberator - 50 PSI	16 Pos. Gen 4
21494787S	14700243T	FCV 20 PSI - 2 LPM	Liberator - 20 PSI	Pediatric
N/A	10480511T	FCV 20 PSI - 6 LPM	Liberator - 20 PSI	12 Pos. Gen 3
N/A	11018986T	FCV 20 PSI - 15 LPM	Liberator - 20 PSI	12 Pos. Gen 3
Secondary Relief Valves				
21215214	13110217	SRV 30 PSI	Liberator - 20 PSI	
21215227	*13110225	SRV 65 PSIG	Liberator - 50 PSI	*Was Used also on Hi Flow Strollers (manufactured until 1/27/2020)
Economizer Regulators				
21341644	10531833LAN	Econ. Regulator 20 psi	Liberator - 20 PSI	
21341648	10670260	Econ. Regulator 50 PSI	Liberator - 50 PSI	
21341652	10670251	Econ. Regulator 20 PSI Japan	Liberator - 20 PSI	
Bracket Assembly				
13307335S	21495392S	Bracket Lib S/A G4 Svce	Liberator	
Economizer Assembly				
13277851S	21495393S	Economizer S/A 20PSI Svce	Liberator - 20 PSI	

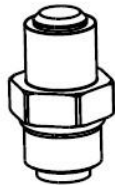


21449808
FCV 20PSI 0-15 LPM G4 BASE



13110145
FCV 20PSI 0-15 LPM G4 BASE

Figure 4: Liberator Flow Control Valves

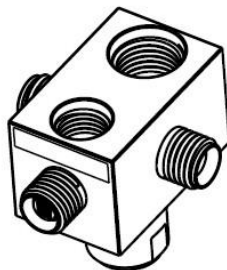


21215214
RV 9/16-20UNF 30PSI TPED

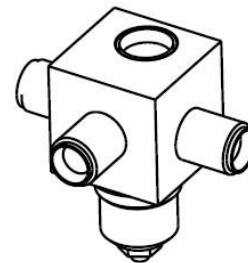


13110217
RV 7/16-20UNF 30PSI TPED

Figure 5: Liberator Secondary Relief Valves



21341644
REGULATOR 20PSI ECON W/PRV-SRV PORT



10531833LAN
REGULATOR 20PSI ECON W/PRV PORT

Figure 6: Liberator Economizer Regulators

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