CAIRE[®] July 2020 Med Tips

PRODUCT UPDATES

Liberator[®], Sprint[®], Stroller[®] and Hi Flow Service Parts

As of January 27, 2020, for Sprint, Stroller and Hi Flow Stroller and April 1, 2020 for the Liberator Reservoir, changes have been made to the design. The Secondary Relief Valve (SRV) has been moved from the Flow Control Valve (FCV) and relocated in the plumbing of each device. These changes have implications on the SRV, FCV, manifold and economizer (reservoir only).

Refer to the tables below for the appropriate service parts for a given device and the examples of previous versus current parts.

		I MOIT IT I DI MOITO			
Current Design	Previous				
(manufactured	Design				
after 1/27/2020)	(manufactured				
Beginning S/N	before				
CBB3120041085	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 Strollers		
Manifolds					
		Manifold Assy 1.2L SF			
21495020S	10564619S	SVCE	Stroller/Hi Flow Stroller		
		Manifold Assy 1.2L W/Auto			
21495021S	10812918S	Close VV, SVCE	Stroller/Hi Flow Stroller		
		Manifold Assy 1.2L,			
21495022S	10812900S	Germany, SVCE	Stroller/Hi Flow Stroller		
		Manifold Assy 1.2L TF,			
21495026S	10597787S	SVCE	Stroller/Hi Flow Stroller		

Table 1: Portables



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		

Please refer to Service Bulletin PN 21495031 for more details.

Filling Issues

CAIRE would like to remind our valued customers that prior to filling any of our liquid oxygen reservoirs and portables, it is important to wipe the fill connectors. This is clearly detailed in our user manuals and will ensure that the fill connectors are clean and moisture free. Failure to follow this instruction may lead to issues with the equipment such as fill connectors sticking/freezing together, or even fill connectors not closing correctly after the fill. When carrying out this procedure, be sure to use a lintfree cloth when wiping fill connectors.





Photos show typical fill connectors on Companion and Helios equipment's



Companion 5 Hose Clamp Change

Effective December 17, 2018, all CAIRE Companion 5 Oxygen Concentrators are being manufactured using hose clamps (CAIRE PN CL036-1 and 20835811).

The ratcheting clamp (Fig 1. PN CL036-1) is meant to be taken on and off for service and can be re-used. The pinch clamp (Fig 2. PN 20835811) is a fixed item, should service be required, it will need to be cut off and replaced with a new pinch clamp. The clamps previously used required special pliers (CAIRE PN 20852060) to remove for service work. See figures below for updated part numbers and pictures.



Fig 1: New Ratcheting Clamp PN CL036-1



Fig 2: New Style Pinch Clamp PN 20835811

Please refer to Service Bulletin PN 21360547 for more details

Helpful Hints & FAQs

Lox Time Use Duration Chart

The LOX time use duration chart now includes the pediatric flow values. The updated chart can be found at our web site Knowledge Center, as well as on all LOX product-specific pages:

Link to the Time Use Duration Chart: http://files.caireinc.com/CutSheets-Lit/ML-LOX0007.pdf





For ordering information or general inquires, contact Customer Service:

USA: 800-482-2473

Customerservice.usa@caireinc.com

Europe: +44 (0) 118 936 7060

Customerservice.europe@caireinc.com

© Copyright 2020 CAIRE Inc. All Rights Reserved. CAIRE Inc. reserves the right to discontinue its products, or change the prices, materials, equipment, quality, descriptions, specifications and/or processes to its products at any time without prior notice and with no further obligation or consequence. All rights not expressly stated herein are reserved by us, as applicable.

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



RELEASE DATE: June 8, 2020

MODEL: Liberator[®] Reservoir, SprintTM, 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.

Current Design	Previous			
(manufactured	Design			
after 1/27/2020)	(manufactured			
Beginning S/N	before			
CBB3120041085	1/27/2020)	Type Valve	Model	Notes
		Flow Control Val	ves	
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 Strollers	
Manifolds				
		Manifold Assy 1.2L SF		
21495020S	10564619S	SVCE	Stroller/Hi Flow Stroller	
		Manifold Assy 1.2L W/Auto		
21495021S	10812918S	Close VV, SVCE	Stroller/Hi Flow Stroller	
		Manifold Assy 1.2L,		
21495022S	10812900S	Germany, SVCE	Stroller/Hi Flow Stroller	
		Manifold Assy 1.2L TF,		
21495026S	10597787S	SVCE	Stroller/Hi Flow Stroller	

Table 1: Portables

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



11014539T FCV 20PSI 0-6 LPM G3 PORT TPED 14812860T FCV 20PSI 0-15 LPM G4 PORT



11014521T FCV 20PSI 0-6 LPM G3 PORT TPED 14034703T FCV 20PSI 0-15 LPM G4 PORT





Figure 2: Manifold Assembly - Current version



Figure 3: Manifold Assembly - Previous Version

Current				
Design	Previous			
(manufactured	Design			
after 4/1/2020)	(manufactured			
Beginning S/N	before			
CBB302014001	4/1/2020)	Type Valve	Model	Notes
		Flow Control Val	ves	
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	Libertaor - 20 PSI	
				*Was Used also on Hi Flow
				Strollers (manufactured
21215227	*13110225	SRV 65 PSIG	Liberator - 50 PSI	until 1/27/2020)
Economizer Regulators				
21341644	10531833LAN	Econ. Regulator 20 psi	Libertaor - 20 PSI	
21341648	10670260	Econ. Regulator 50 PSI	Liberator - 50 PSI	
		Econ. Regulator 20 PSI		
21341652	10670251	Japan	Libertaor - 20 PSI	

 Table 2: Liberator





21449808 FCV 20PSI 0-15 LPM G4 BASE











21341644 REGULATOR 20PSI ECON W/PRV-SRV PORT



10531833LAN REGULATOR 20PSI ECON W/PRV PORT



CONTACT: For technical questions or concerns, contact Technical Service: USA: 800-482-2473 <u>techservice.global@caireinc.com</u> Europe: +44 (0) 118 936 7060 techservice.global@caireinc.com

> For ordering information or general inquires, contact Customer Service: USA: 800-482-2473 <u>customerservice.usa@caireinc.com</u> Europe: +44 (0) 118 936 7060 <u>customerservice.europe@caireinc.com</u>

Copyright © 2020 CAIRE Inc. CAIRE Inc. reserves the right to discontinue its products, or change the prices, materials, equipment, quality, descriptions, specifications and/or processes to its products at any time without prior notice and with no further obligation or consequence. All rights not expressly stated herein are reserved by us, as applicable.



DATE: 1/3/2019

MODEL: Companion 5 Oxygen Concentrator

ISSUE: Companion 5 Hose Clamp Change

Effective Dec. 17th, 2018 all CAIRE Companion 5 Oxygen Concentrators are now being manufactured using new hose clamps (CAIRE PN CL036-1 and 20835811). The new ratcheting clamp (PN CL036-1) is meant to be taken on and off for service and can be re-used. The pinch clamp (CAIRE PN 20835811) does not need to be removed for service and if needed to, it will need to be replaced. The previous design clamps required special pliers (CAIRE PN 20852060) to remove for service work. See figures below for updated part numbers and pictures.

Figure 3 indicates the removal of the ratcheting clamp. Each side of the ratchet mechanism can be grasped with a separate set of standard pliers, and the two sections of the clamp moved opposite one another until the clamp releases.

It is recommended to only remove and re-install the ratcheting clamp if possible, but if an pinch clamp needs to be replaced (to repair a damaged section of tubing, for example) a pinch clamp tool is required. A pinch clamp tool can be sourced from various hardware supply companies. See figures 5 and 6 below that illustrate how to apply an oetiker clamp.

Fig. 1: New Racheting Clamp PN: CL036-1



Fig. 2: New Style Pinch Clamp PN: 20835811



Fig. 3: Ratching Clamp Removal



Fig. 4: Previous Design Clamp Removal



Fig. 5: Crimping Pinch Clamp



Fig. 6: Pinch Clamp installed



CONTACT: For technical questions or concerns, contact Technical Service: USA: 800-482-2473 www.cairemedical.com Europe: +44 (0) 118 936 7060 www.cairemedical.com For ordering information or general inquires, contact Customer S

For ordering information or general inquires, contact Customer Service: USA: 800-482-2473 www.cairemedical.com Europe: +44 (0) 118 936 7060 www.cairemedical.com

Copyright © 2018 CAIRE Inc. CAIRE Inc. reserves the right to discontinue its products, or change the prices, materials, equipment, quality, descriptions, specifications and/or processes to its products at any time without prior notice and with no further obligation or consequence. All rights not expressly stated herein are reserved by us, as applicable.