

PN 21495524 B

RELEASE DATE: October 14, 2020

REVISION DATE: March 8, 2022 (Rev B)

MODEL: Companion 5™

ISSUE: Companion 5™ Flowmeter Outlet Pressure Test

NOTES: CAIRE is using the new style Flowmeter 21494452 on the 3rd Edition Companion 5 models. The previous style Companion 5 models will still use Flowmeter 15063266. A new version of the Companion 5 concentrator is being released that is compliant to IEC 60601-1 edition 3.1 and IEC 60601-1-2 4th edition.

Units produced as of July 2020 for China and Europe will use flowmeter 21494452 to be compliant to IEC 60601-1 edition 3.1 and IEC 60601-1-2 4th edition. Units produced prior to July 2020 use flowmeter 15063266. These changes do not apply to 120V models of the Companion 5. Reference Service Bulletin 21494864.

Note: When replacing flowmeter reference table 1.

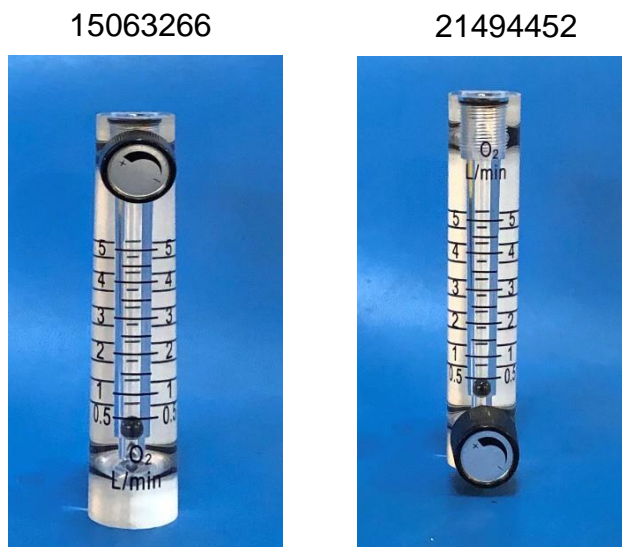


Figure 1. Two different flowmeter styles for the Companion 5

Copyright © 2022 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.

Outlet Pressure Test Procedure for Flowmeter 21494452:

- 1) Turn the power switch to the “ON” position and set flow to 5 LPM and allow the unit to run for 1 hour prior to testing the deadhead pressure.
- 2) Install 6ft (1.82 m) of tubing to the O2 outlet port.
- 3) Teeing the tubing off to a spare flowmeter to act as a needle valve and pressure analyzer.
- 4) Slowly turn down the spare flowmeter knob until it stops.
- 5) Observe the reading on the pressure analyzer.
- 6) Acceptable range is <6 psig.
 - a) Acceptable range for China is 4.14 – 5.06 psig. If the outlet pressure is not within this range, the product regulator needs to be adjusted. (see manual for procedure)
- 7) Turn the power switch to the “OFF” position.
- 8) Remove tubing from O2 outlet port

Outlet Pressure Test Procedure for Flowmeter 15063266:

- 1) Open up the unit.
- 2) Remove the black plug from the side of the flow sensor.
- 3) Connect 5/32nd size tubing to the side of the flow sensor.
- 4) Connect the other end of the tubing to a pressure analyzer.
- 5) Turn the power switch to the “ON” position.
- 6) Open flowmeter to 5 LPM.
- 7) Allow the unit to run for 10 minutes prior to testing the pressure.
- 8) Observe the reading on the pressure analyzer.
- 9) Acceptable range is 4.3 – 4.9 psig. If the outlet pressure is not within this range, the product regulator needs to be adjusted. (see manual for procedure)
- 10) Turn the power switch to the “OFF” position.
- 11) Remove tubing from flow sensor and replace cap.

Table 1. C5 Model by Flowmeter Type (as of October 14, 2020)

Model#	Description	Flowmeter	Complaint to IEC 60601?
21471908	Companion 5 Oxygen Concentrator 230 VAC, 50 Hz	21494452	Yes
21471909	Companion 5 Oxygen Concentrator with Bluetooth capability 230 VAC, 50 Hz	21494452	Yes
21139079	Companion 5 Oxygen Concentrator 230 VAC, 50 Hz (China) * <i>This model used 1503266 up until 7/1/2020</i>	21494452	No
15067021	Companion 5 Oxygen Concentrator 230 VAC, 50 Hz * <i>This model used 1503266 up until 7/1/2020</i>	21494452	No
15067005	Companion 5 Oxygen Concentrator 120 VAC, 60 Hz	15063266	No
21190674	Companion 5 Oxygen Concentrator 120 VAC, 60 Hz	15063266	No
21225813	Companion 5 Oxygen Concentrator with Bluetooth capability 120 VAC, 60 Hz	15063266	No

CONTACT: For technical questions or concerns, contact Technical Service:

USA: 800-482-2473
 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

Copyright © 2022 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.