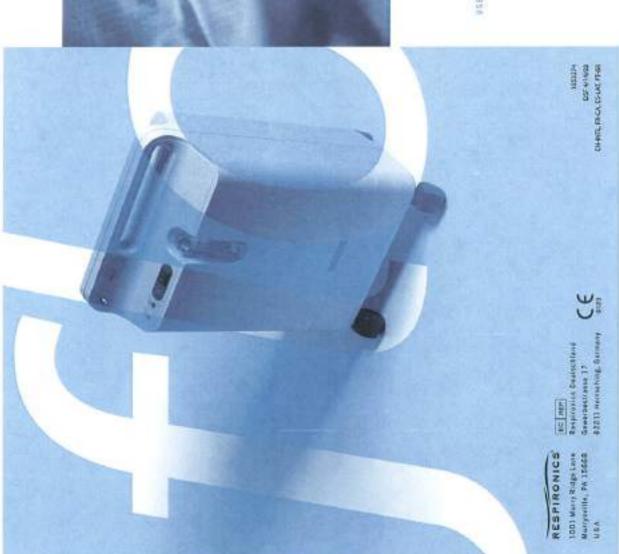


EverFlo" Q

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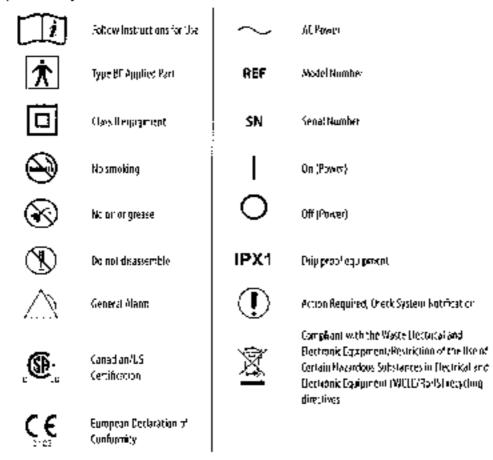
RESPIRONICS

# EverFlo / EverFlo Q User Manual

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### EverFlo / EverFlo Q User Manual

## Symbol Key



### Abbreviations

LED.	Light Emitting Dioce
LPM	Liters per Minute
OP	Daygen Percentage Indicaror

To rillo is a raid mark of Responders, because its utilities. O 2008 Respirantes, fact and its affiliants. All rights reserved.

## Chapter 1: Introduction

Your health and professional has determined that supplemental oxygen with benefit to you not his pre-tribed an oxygen concentration set of a viceoffic flow setting to meet your needs. DO NOT change the flow settings unless come health once professional tells you to do so. Measo read and understand this course manual before using the device.

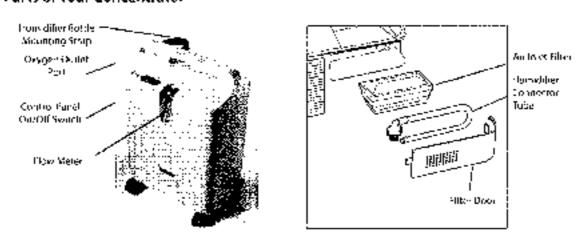
#### Intended Use

The Ever?lo / EverFix Q Ovygon Concentrator is extended to provide supplemental oxygen to persons requiring oxygen therapy. The Advice is not untended to be life supporting of life sustaining.

### About Your EverFlo / EverFlo O

The device produces observatured elegan from uson the fit delivery to a purent requiring low flow oxygen the capy. The oxygen from the air is concentrated using a product has sieve and a passing swing advocation process, your home care provided will spew you how to operate the concentrator and will be available to answer any questions. If you have additional questions or problems, contact your from our provided.

### Parts of Your Concentrator



### Accessory Equipment and Replacement Parts

Contact your home cire provider if you have questions (both this equipment. Use only the following Respironics accessories and replace mean pairs with this device:

- · Au Inlet Elber
- Blancidaic, Campetor Yake

#### EverFio / EverFio Q User Manual

### Warnings and Cautions

### Warnings

A commany represent the pseclettry of factor in the operator or patient.

- it or proposition, you are constituted explices mobile admit ventilation. The scantism functs are counted at the trail
  lose of the deeperand or the side or intest filter. Keep the decide at least 15 to 30 cm, every from walls, formatter and
  explicitly on tains their could impede adequate of those to the decide. Do not place the contemparation in a small closed
  stage (such as a closer).
- Dispositioning the givens of calls developed in prints. In extension to an outbroated, not ten and Respinous Above, and moving.
- La divisional af an equipment alorn and you are expendencing any signs of direction densating your again conclude provider analysis your against a care professional instead in ely.
- Osygen generated by this concentrator is copyromental and should not be considered infostoppering of life sust triang.

  In contain checknowings oxygen proposition be broadoned any user should seek interfacilitatives unfor to using the checker.
- Where the prescribing brightness professional has determined that an interruption in the supply of ovegen, for one
  reason, may have serious consequences to the more purply instrument context of ovegen durald be enableded to interruption.
- Oxygen a generally accelerates combination and should be kept away from best or open fission. Not suit the total with the presence of a flag procale anesthetic posture with an or with marget remaining a patient.
- Distroy sample, allow others to sample or have open throughout the concentrator of sample.
- Do not out oil in grasse in the exceedant or its companents is these substructs when combined or in oxygen, our
  greatly indicase the potential for a like hazard and persons, injury.
- Durier use the exegen concentration if either the plug of power contribution upon. Do not use extension contributions of adoptions.
- Dance attempt to decrease concent considerent is plugged cars an electrical under.
- Divide apera an above in ontade of the voltage, LPM, reinpersone, huminity molton detrible values specified may dedicate integral concentration levels.
- Your home true previder is respectable for performing appropriate greatestive our monutement that mentals experimented by the device monthly men.

#### Cautions

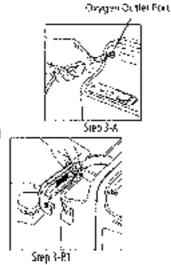
S caucion represents the positivity of damage to the equipment.

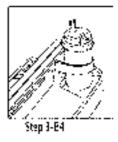
- Do not place liquids on or near the device.
- If Signifies a likeling the device of our old power off and paping from excitoral confet before attempting to examine soil. Call your bone core provider if excite that not continue to work property.

# Chapter 2: Operating Instructions

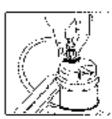
Wavning: Do not use extension cords or electrical adapters.

- Select a location that allows the concenturary to crow in atom an without being testocral. Make sure that the device is at least 15 to 30 cm away for a wall of functions, and expecially contains that could impede adequate air flow to the device. Do not place the device near any host source.
- After reading this encire assumed, plug the power cool into an electrical confer.
- 3. Do either Step A or Step B below
- A. If you are not using a here'differ, connect your nasel cannot to the Oxygen Oxyget Part, as shown in the top illustration on the right.
- B. If you are using a hip nicities, follow the steps below:
  - 1. Open the filter door on the back of the device as shown.
  - Remove the later differ connected table from the mack of the fifter door and replace the fifter door, its shows.
  - füll your huntidif et sorde autording to the manufacturer's instructions
  - Most if the files based files as pectop of the Everlin's Everlin Q device inside the velocolarrap, as shown in the illustration on the right.
  - Highren the velora strap around the borrle and secure it writes: light finally in place.
  - 6 Connect the humblifter connector rule (that you bettieved from the filter door) to the Oxygen Ourlet Port (as shown in Step 3-A above)
  - 7 Consists the other and of the humidiffer connector take to the open the humidifier with the above in the aroung facing the Hanz, as shown here.
  - Connect your calendarse the formadifier hordenesseding to the hemidifier horde manufacturer's specifications.



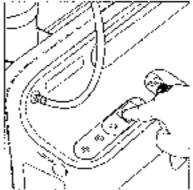




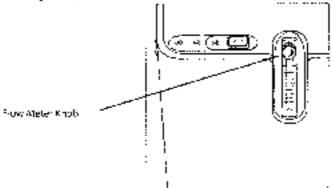


### Everilo / Everilo Q User Manual

Press the power swarch to the On [I] position, Initially, all the I EDs will diministed and the analysis
alon will been for a few seconds. After that time, only the green LED should remain int. You can begin
breathing from the device intered arely even though it applicably takes 10 minutes to reach oxygen pointy
specifications.



 Adjust the flow to the prescribed serting by turning the knob on the top of the flow meter total the bill is cornered on the line marking the specific flow rate.



- Be sure oxygen is flowing torough the common if it is not refer to the Transfeshiveting Guide in this
  natural.
- 7. Pra on the cannula as directed by your home one provider.
- 8. When you are not using the oxygen concentrator, press the nower switch to the OH [O] position

# Chapter 3: Cleaning & Maintenance

Warning: It is important to unplug the device before you perform any elegating.

Caution: Excess maisture may impair the proper operation of the device.

## Cleaning

Periodically, use a damp cloth to wise nown the exterior case of the Everlin I Everlin Q device. If you use needical desurfactuate, be said to follow the manufacturer's instructions.

If you are using a upprintifier, clean your device according to your home enterprovider's entraindactorer's interactions.

### Service

The EverFlo / EverFlo Q Oxegen Concernator contains no necessionable pairs

Warning: Do not remove the covert of this device, Servicing must be referred to an authorized and trained Respirances home care provider.

### **How to Contact Respironics**

To have your device serviced, contact your home care provided. If you need to contact Resonances disease, relf the Responses Cusmmer Service department at 1-724-387-4000 at Responses Deutschland at 1-49-8152 93000. You can also use the following addresses:

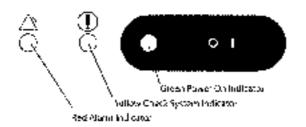
Respironics 1001 Mutry Ridge Line Mutrysville, PA 15668 USA Respitorney Deutschland Geweitestrasse 17 82211 Hertsching Gentucy

Visit the front's web site at aways certle respine tes con-

# Chapter 4: Alarms and Troubleshooting

## Alarm and Indicators

The device bay at audible all (m and these LED) infections as shown below.



Audible Alarm / Colored LED	Possible Cause	Your Action
All 3 LEDs literary are communisty and the Audible Alans: is counding communicity.	The device has detected a system materix input	Invined at any time off the device, connect to a back up onygen space, and call your home care provider.
The Aud ble Alarm is sounding rominiously. Mone of the LEOs are illuminated.	The device is correct on but is not obstatute, Often this increases that the device is not plugged in or there is a power failure.	Check the power or flet and serify that the device is plugged in 10 fee problem continues, connect to a back up skygen source and call your home. One provides
Ped ICO Huminales certinosesly and the Analtic Alarmis sounding continuously	The device has detected a system malfunction.	Immediately turn off the device and wair 3 minutes. Restart the device. If the condition persists turn the unit off, connecting a back up oxygen source, and call your name care provider
Yellow LED diuminates continuously. The Red LED is Blinking and the Accebbe Alarm is beeping periodically.	The device has deterted as impeded sought flow conditions.	Follow the treatile showing guide on the next page, Commet to a back up caygon source and Call your barne care provider if your troubleshooting arcticle bill to god ship alert condition.
deSew LED illumitrates : continuously The Fed LED Koll and the Audible Marm is silent	Sho device has defected a law expgen condition (QP) units only).	Continue using the unit britically min home raile provider about this concider.

# **Troubleshooting Guide**

Problem	Why it Happened	What to Do
Yellow LEC is blinking. The Red LEC is off and the Audible Algorits beeping periodically.	. The device has detected a high-oxygen New condition.	Time the flow rate down to your prescribet level, Wait of least 2 minutes. If the condition persists time rate critical, sometted a back up exigen source, and call your borne seek provided.
Geen 460 illuminates continuously. The other LSDs are off and the Andible Alann is silent.	The device is turned on and working properly.	fake no action.
The device is not working when it is tillined on.	The power routipling is not properly inserted into the electrical guide.	Make scretche devices properly plugged in in the electrical outlet.
(The Autible Alach is scheding continuously.	The unit is net receiving power from the electrical earlier.	Check your household outlet fuse on kind of
4II LEUs are oft)	Internal part facure.	Connect to a back up oxygen source and contact your forme care provider.
The device is not working when it is turned on. (The Audible Alarm is sounding contenuously and all 3 LEOs are illuminated.)	Internal part failure.	Connect to a back up oxygen source and contact your home care provider.
Impeded oxygen flow indication is accorded.	t The airflow to the device is impeded on placked.	Remove any Items that appear to be blocking the airflow into the device.
(The Yellow LED illumenates continuously, the Red LED is blinking and the AuditNe Alarmis beeping prejectically.)	She flow meter knob is completely a cosed.	Tors the flow meter book contents for the form the prescribed LPM flow.
	The oxygen tubing is kinked and blocking the selivery of oxygen.	Check to see that the labing is not kinked or blocked Replace if hecessary
Linkted payen flow to the aser without any hault indication.	The osygen tuling or cannula is faulty.	Inspect and replace the dems diveressary.
(All LEDs are officero' the Audible Alarm is silent)	There is a poor connection to a device accessory.	Ensure that all semi-ections are free from leaks.

# Chapter 5: Specifications

### **Environmental**

	Operating	Transport & Storage
Temperature	13 to 32° C	- 14 to 711 C
Relative Humidity	15 to 95%, no-accude away	15 to 95%, nuncondensakg
Altitude	0 to 2286 m ·	M/A

### Physical

	·   ·······	
Dimension	i 58 cm x 33 cm x 24 cm	i
Weigh	:   14 m 15 kg	

### Standards Compliance

In sidevice is designed to conform in the following standards:

- IFC 606G1-1 (Aedwal Flectivial Equipment, Part 1, General Requirement for Safety)
- BC 60601-1-2 2nd edition. Medical Electrical Equipment, Part 1-2: General Requirement for Safety Collateral Standard. Electromagnesic Foundar Editing Requirements and Texas

30 8359 Oxygen Concernrators for Medical Use - Safety Recurrements

### Electrical, AC Power Consumption

Mudels 1020000, 1020001 1020002, 1020003 1020014, 1020015	
1020004, 1020005	230 VAC ±10/4, 120 W, 60 Hz
1020006,1020007,1020008	
1020009, 1020010	230 V4C ±10%, <300 W, 50 Fz
1020011, 1020012	250 MC E13/1: K300 M; 50 F2
1020016, 1020017	<u></u>
1020013	Z30 V4C±104, <400 W, 60 Fz

### Oxygen

İ	Oxygen Concentration* (All Models except 1020007, 1020008)	\$R-4695 fmm 0.5 to \$1.7/4
	Models 1020007, 1020008	87-9694 https://doi.org/10.1006/

Device operation above or purside of the voltage. LPM, temperature, humidity a tellor a titude values apprished may decrease exagen concentration levels.

### Sound Level

Models 1020000, 1020001	
1020002, 1020003	45 dBA typical
1020013	
1020004, 1020005	
1020006, 1020008	
1020009, 1020010	43 dftA (yelral
1020611, 1020012	
1020016, 1020017	
1020007, 1020014 1020015	

### Classification

The FactPlo / EverPlo Q Oxygen Concentrator is classified as

- IEC Class II Equipment
- Type 8F Applied bar;
- LPX1 Drip Proud
- Note unitable for use in the presence of a flam hab e aness retic inference with air or with payper or arittant oxide.
- Continuous Operation.

### Disposal

Dispose of the device in accordance with local regulations.

## **WEEE/RoHS Recycling Directives**

If you are subject to the WEEL-Rold's recycling directives, refer to www.respiconics.com for the prosport for decycling this position

# Appendix A: EMC Information

**GUIDANCE AND MANUFACTURER'S DECLARACEON - ELECTROMAGNETIC EMISSIONS:** Condend to the result for secondaries to compare environment quartest in to. The user of the december of old make our included in such an environment.

Emissions for	COUR WHO	Enertegragnetic Environment - Guidance
주 5m skiers OSPR 11	Gmup1	The processes \$1 energy only forms meaned function. Therefore, is \$10 pinks to work years of the next \$1.21 to scale any interference in materials #400 mile in private.
RF emissions CISIN II	Clave6	The discretional date for use must establishments, molitiding domestic establishments and discretification connected to the public
Harmonic emissions IEC 9/400/3/2	Class V	: three could be got over suppose mellocumb.
Voltaga fluctuatazzo Fluker annovern. EC 51000-3-3	r,ump4.cs	

GUIDANCE AND MANOFACTURED'S DECLARATION | ELECTROMAGNETIC IMMUNITY: This Jeruse is intended for use or the decisionagnetic environment specified below. The user of this device double every manufacture in a useful memory ones.)

IEC 40601 Test Level	COMPLIANCE LEVEL	Енестяпильных Егулеочиент - Guidance
-6 Mocmaci -A loca i	de Ny contact 50 for an	(Recisive and Decouper, confliction or general, life, Philoposphe covered with specific or material there was a humanity through breat least 10%.
<ul> <li>2 k0 for power supply tres</li> <li>2 kv for input output knos</li> </ul>	62 My for supply males of liky for appropriate knes	Manapower quality should be thurst a typical time to tempt at environment."
4.1 ky a ffere that hade 4.2 ky common made	v i eVolušnom tudimesto 18 UV torkom men mede	Managower guyiny should be High of A typical from elemborary comment.
45% U <sub>1</sub> 579585 dip in 11,000 0 5 rydle 6045 dip in 11,000 5 cycles 5764 dip in 11,000 5 cycles 13075 dip 25 U <sub>2</sub> 76 (25 cycles 5 cst. U <sub>2</sub> 154975 dip in U <sub>2</sub> 16 (5 Sec	CSS U.  (245 Grain in Up for U.S reptile 40% Up (245 drain Up for Sinjerhe 1245 drain Up for Sinjerhe 1245 drain Up for Sinjerhe 425 drain (245 drain Up for Sinjerhe 425 drain (245 drain in Up for Sinjerhe (245 drain)	Maintaperson quality doctable the that of a type of home or hospital environment. If the user of the dewice requires scentificate operation during paratic matter attenued not recommended that the dewice be powered from an informational paratic according to barrery.
3//1	Mile	Fewer hecomey magnet's fields should be at level; characteristic of a typical lessed or home environment.
	### LEVEL  #### An Incomment of the Comment of the	### A Contact  ### A Contact  #### A Contact  #### A Contact  ##### A Contact  ##################################

GUIDANCE AND MANUFACTURER'S DECLARATION - ELECTROMAGNETIC IMMUNITYS. (Findings) is mineral harmonical declaration of the second polymers and proceedings of the second polymers.

IMMUNITY TEST	EEC 60601 Test Level	CHMPL MKCE LEVEL	E-DETACMACKETIC ENVIRONMENT - GUIDANÇE
			Porestate and mobile of icommunications equipment should be used no close to any part of the davice, including table, then the recommended sensition of stanta calculated from the equation apple, able to the frequency of the congruence.
			lissammended separationalistance
Conducted 90 IPC \$1000-445	3 Vims 150 314-550 (2004) 4 r	3Vinis	J = 1,5 °F 150 electu àordina
			d=15. <sup>th</sup> R0 Meyre 800 Mey
Radajus (V ROS (GCG 4.3	17/m A0MHu 052 5 GHz	350m	d=0.3 <sup>44</sup> 300 MHz to 3.5 GHz
			Where Proitis maximum dugger power rating of the transmitter in wells (%) according to the transmitter manufacturer and $d$ is the recommended against and determine transport (m).
			l Field strengths from face PL transparters as determined
			by an electromagnetic site survey <sup>a</sup> , should be easilian the month provided it was to keep encyclange <sup>b</sup>
	<u> </u>		Imelity or corresponding to the vicinity of odupment marked with the decimal sympast ( ) in the vicinity of odupment marked with

Nete 1: At 50 MHz and 800 MHz the higher recoveray range applies.

Mate 2: These guidations may set apply multiplicate fluctropropriese propaga; on eletected by appropriate these and reflect on horizontatives, objects and people

- as FVM strange's from fixed transmitters, such as base real courses reading a fullant crother gively from much entering property graphs, 6M and FM reads transmitters and 1M transmitters and 1M transmitters are decreased course; the provided to stransmitters are decreased course; strengther than a stransmitter of the course of the property of the course of the c
- b) Over the frequency langer (Solotzia Stiller), the field strength colored be less than size.

RECOMMENDED SEPARATION DISTANCES BETWEEN PORTABLE AND MOBILE HE COMMUNICATIONS EQUIPMENT AND THIS DEVICES The device is assentive. Forms in a real extraorphysic archives ment as which cultives for distance account all of the epicy was or the user of the device are help present decreasings to unreference by mental and a region of a more account part of the extraorphysical device are help present decreasings to unreference by mental and a grown arms mental and proposed at the extraorphysical and the extraorphysical part of the extraorphysical and the extraorphysical part of the extraor

communications equipment.

RATER MAXIMUM POWER OUTPUT OF TRANSMITTER (IW)	Separation Distance According to Frequency of Transmitten		
	1 50 aHz to 82 MHz = - 0.2 ·17	80 MH2 to 800 MH2 d = 1.3 kii	804 MHz to 2.5 GHz d = 23√F
99.	מים	212	0.53
7,1	0.18	286	373
i l		12	2.3
. 15	JU	3.5	7.3
160	12	12	n

Full trainsmitters rated at a maximum pulsest power not listed above, the incommenced approximated in protein (m) can be estimated around the equation approximate to the frequency of the commence that the maximum curput power rating of the transmitter in waits (%) occording to the maximum manufactures.

Hose it: At 80 Note and 800 Note, the reparation distance for the higher frequency range applies

Note 2: there is, the lines may not apply in a lastic consisted comagnetic propagation is affected by absorption and reflection from structures, objects, and people.

#### EverFlo / EverFlo O User Manual

## **Limited Warranty**

Respirenties, but is amount that the system shall be free from defects of workmanishin and materials are will perform in accordance with the product specifications for a period of direct (1) years from the direct of safe by Respirantics. For, to the dealer, Respirantics that the free life (1) EverFlu Q units serviced by Respirantics or an authorized service center, will be free from defects in serviced materials for a period of 90 days and free from defects in workprotoship for a period of 90 days from the time of service. Respirantics accessories are warranted to be free of defects in materials and workmaniship for a period of 90 days from the time of purchase It the product to be free of defects in materials and workmaniship for a period of 90 days from the rime of purchase It the product to be to perform in secondance with the product specifications, Brapitonics, Inc. will applie to replace — at its option — the defective material or Nort-Respublic, Inc. will say customary freight charges from Respirantes, Inc. to the dealer becaution only. This warranty does not cover damage caused by accident, missist, 1900, 50 or, 3nd other cefects not resided to material or workmanishin.

Respirence, but desclares all lecolity for according less, less of profits, overhead, or conseque to all damages which may be claimed to according any tole or use of this product. Some starts do not above the explosion of limitation of incadental or consequential damages, so the above limitation or exclusion may be apply to your

This warrance is given in lieut of all other expression in plied containties including the region warrance of increhantary lity and hones for a particular purpose. In addition, in no event shall Respirence be hable for less profits, loss of good will, or incidental or consequential demages, even if Respirences has been advised or also possibility of the same, home states or provinces do not a low the exclusion of limitation of implied consequential damages. Accordingly, the laws of your state or province may give you additional protections.

To exercise your rights under this wantings contact your local authorized Resultanics, Inc. dealer or contact. Respiranics, Inc. at:

> Respirations 1001 Marry Ridge Lane Marryswille, PA 15668 USA 1 724 387 4000

Respicanies Deutschland Gewertestrasse 17 82211 Herrsching Germany 749 8152 93060