



# OxyVet Oxygen Concentrator Manual v.2



## Operators Manual




















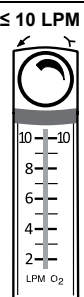












FOR VETERINARY USE ONLY

**Important: Do not operate this concentrator without first reading and understanding this manual!**

# TABLE OF CONTENTS

SYMBOL DEFINITIONS.....	3
IMPORTANT SAFEGUARDS.....	4
WARNINGS AND CAUTIONS.....	5
INTRODUCTION.....	6
Intended Use.....	6
Indications For Use.....	6
Essential Performance.....	6
Service Life.....	6
How Your VetEquip Oxygen Concentrator Works.....	6
IMPORTANT PARTS OF YOUR CONCENTRATOR.....	7
SETTING UP YOUR OXYGEN CONCENTRATOR.....	8
INITIAL OPERATION.....	9
VetEquip OSD® Operation.....	9
CARING FOR YOUR VETEQUIP OXYGEN CONCENTRATOR.....	10
TROUBLESHOOTING.....	11
OVERVIEW OF ALARMS.....	13
SPECIFICATIONS.....	14
OXYGEN CONCENTRATION VS FLOW RATE.....	15
ELECTROMAGNETIC COMPATIBILITY INFORMATION.....	16
WARRANTY.....	17






## SYMBOL DEFINITIONS

	It is mandatory to read and understand the operating instructions prior to use. <b>i</b> This symbol has a blue background on the product label.		Off On		Catalog Number		LOT Number
	Electric Shock Hazard. Cabinet to be removed by authorized personnel only. <b>i</b> This symbol has a yellow background on the product label.		Reset		Serial Number		Manufacturer
	Danger - No smoking near patient or device. <b>i</b> This symbol has a red circle and diagonal bar on the product label.		Alternating Current		Normal Oxygen		European Representative
	Use no Oil, Grease or Lubricants <b>i</b> This symbol has a red circle and diagonal bar on the product label.		Type B applied part		Low Oxygen		European Rep CE mark
	Do not use near heat or open flames <b>i</b> This symbol has a red circle and diagonal bar on the product label.		Double Insulated		Service Required	 ≤ 10 LPM Maximum recommended flow rate: 10 LPM	
	General Warning <b>i</b> This symbol is used throughout this manual to indicate hazardous situations to avoid.		Hour Meter		TUV Rheinland C-US approval mark		
	Important Information <b>i</b> This symbol is used throughout this manual to indicate important information you should know.		Operating Temperature Range +5 to +35°C (+41 to +95°F)		TUV Rheinland Certified approval mark		
	Note and Information Symbol <b>i</b> This symbol is used throughout this manual to indicate notes, useful tips, recommendations and information.		Atmospheric Pressure Range 840 to 1010 hPa (Approximate sea level to 5000 ft)		Inmetro approval mark		
	Federal (U.S.A.) law restricts this device to sale by or on the order of a physician.						
	Ingress Protection - Protected against finger access to hazardous parts; protected against vertically falling water drops.						
	This device contains electrical and/or electronic equipment that must be recycled per EU Directive 2012/19/EU- Waste Electrical and Electronic Equipment (WEEE)						

## IMPORTANT SAFEGUARDS

Read this entire guide before using your VetEquip concentrator. Important safeguards are indicated throughout this guide. Pay special attention to all safety information.

Imminently and potentially hazardous information is highlighted by these terms:

	<b>DANGER</b> Indicates an imminently hazardous situation which could result in death or serious injury to the user or operator if not avoided.
	<b>WARNING</b> Indicates a potentially hazardous situation which could result in death or serious injury to the user or operator if not avoided.
	<b>CAUTION</b> Indicates a potentially hazardous situation which could result in property damage, injury, or device damage if not avoided.
	<b>IMPORTANT</b> Indicates important information you should know.
	<b>NOTE</b> Indicates notes, useful tips, recommendations, and information.

# WARNINGS AND CAUTIONS

## READ ALL INSTRUCTIONS BEFORE USING

### DANGER

- Oxygen causes rapid burning. Do not smoke while your oxygen concentrator is operating, or when you are near a person utilizing oxygen.
- Do not allow smoking within the same room where the oxygen concentrator or any oxygen carrying accessories are located.
- Oxygen makes it easier for a fire to start and spread. Do not leave the concentrator turned on but not in use. The oxygen will make some materials flammable. Turn the oxygen concentrator off when not in use to prevent oxygen enrichment.
- Keep the oxygen concentrator at least 2 m (6.5 feet) from hot, sparking objects or naked sources of flame.
- Open flames during oxygen use are dangerous and are likely to result in fire or death. Do not allow open flames within 2 m (6.5 feet) of the oxygen concentrator or any oxygen carrying accessories.
- VetEquip oxygen concentrators are equipped with a fire mitigating outlet fitting that prevents propagation of fire into the unit.



### WARNING

- To avoid electric shock, do not plug the concentrator into an AC outlet if the concentrator cabinet is broken. Do not remove the concentrator cabinet. The cabinet should only be removed by a qualified VetEquip technician. Do not apply liquid directly to the cabinet or utilize any petroleum-based solvents or cleaning agents.
- Improper use of the power cord and plugs can cause a burn, fire or other electric shock hazards. Do not use the unit if the power cord is damaged.
- Ensure the mains power cord is fully inserted into the concentrator connector (120 volt units) and the power cord plug is completely inserted into a fully functioning AC wall outlet. Failure to do so may cause an electrical safety hazard.
- Locate oxygen tubing and power supply cords to prevent tripping hazards and reduce the possibility of entanglement.
- Do not lubricate fittings, connections, tubing or other accessories of the oxygen concentrator to avoid the risk of fire and burns.
- Do NOT use lubricants, oils or grease.
- Before attempting any cleaning procedures, turn the unit "Off."
- Use only spare parts recommended by the manufacturer to ensure proper function and to avoid the risk of fire and burns.
- Use of this device at an altitude above 5000 feet (1524 meters) or above a temperature of 95°F (35°C) or greater than 93% relative humidity may affect the flow rate and the percentage of oxygen. Refer to specifications for details regarding parameters tested.



### WARNING



#### MR Unsafe

- Do not bring the device or accessories into a Magnetic Resonance (MR) environment as it may cause unacceptable risk to the user or damage to the oxygen concentrator or MR medical devices. The device and accessories have not been evaluated for safety in an MR environment.
- Do not use the device or accessories in an environment with electromagnetic equipment such as CT scanners, Diathermy, RFID and electromagnetic security systems (metal detectors) as it may cause unacceptable risk to the patient or damage to the oxygen concentrator. Some electromagnetic sources may not be apparent, if you notice any unexplained changes in the performance of this device, if it is making unusual or harsh sounds, disconnect the power cord and discontinue use.
- This device is suitable for use in environments except for near active HF SURGICAL EQUIPMENT and the RF shielded room of an MR SYSTEM for magnetic resonance imaging, where the intensity of Electromagnetic DISTURBANCES is high.
- Use of this equipment adjacent to or stacked with other equipment should be avoided because it could result in improper operation. If such use is necessary, this equipment and the other equipment should be observed to verify that they are operating normally.
- Portable RF communications equipment (including peripherals such as antenna cables and external antennas) should be used no closer than 30 cm (12 inches) to any part of the oxygen concentrator, including cables specified by the manufacturer. Otherwise, degradation of the performance of this equipment could result.



### CAUTION

- The surface temperature of the exhaust vents on the bottom of the unit may exceed 105.8°F (41°C) under certain conditions.
- When device is used under extreme operating conditions, the temperature near the exhaust vents on the bottom of the unit may reach 145°F (63°C). Keep body parts a minimum of 32" (81.2 cm) away from this area.
- Use of harsh chemicals (including alcohol) is not recommended. If bactericidal cleaning is required, a non-alcohol based product should be used to avoid inadvertent damage.



### IMPORTANT

- Do not service or clean this device while in use with a Patient.
- Do not use a low-output flow meter with this concentrator.
- The Device is classified as IP21 which means it is protected against finger access to hazardous parts and protected against vertically falling water drops.
- Equipment not suitable for use in the presence of a flammable anesthetic mixtures.
- This device contains electrical and/or electronic equipment. Follow local governing ordinances and recycling plans regarding disposal of device components.

## SAVE THESE INSTRUCTIONS

### INTRODUCTION

This instruction guide will acquaint you with your VetEquip OxyVet oxygen concentrator. Make sure that you read and understand this guide before operating your unit. Important safeguards are indicated throughout this guide. Pay special attention to all safety information. Contact your VetEquip equipment provider should you have any questions.

### Intended Use

The VetEquip OxyVet 10 Liter Oxygen Concentrator intended use is to provide pressurized oxygen to anesthesia equipment used in veterinary and research environments. It may also be used for Veterinary O<sub>2</sub> therapy by nosecone, mask, or chamber when needed.

### Indications For Use

The VetEquip Oxygen Concentrator is intended for use as an oxygen concentrator to provide O<sub>2</sub> to veterinary and research patients. It is a clinical decision to prescribe or use this device as a concentrator of O<sub>2</sub> as a carrier gas for anesthetic delivery. Its use is compatible with all current anesthetic agents; Isoflurane, Sevoflurane, Desflurane. It may be mixed with medical air or Nitrous Oxide if desired. It should never be used with flammable anesthetics

### Essential Performance

Essential Performance of the Oxygen Concentrator is to deliver a continuous flow of oxygen enriched gas. Visual and audible alarms indicate if the device is not meeting specification, or a failure has been detected.

### Service Life

The expected service life of the OxyVet Concentrator is 5+ years of operation, when used in accordance with all manufacturer guidance for safe use, maintenance, storage, handling, and general operation. Expected service life of the unit, and in particular the sieve beds and compressor, may vary based on the operating environment, storage, handling and the frequency and intensity of use.

### How Your VetEquip Oxygen Concentrator Works

The OxyVet concentrator is the most reliable, efficient, and convenient source of pressurized oxygen available today. The oxygen concentrator is electrically operated. Using simple Pressure Swing Adsorption (PSA) technology and a molecular sieve, the unit draws in room air, compresses it, and passes it through a series of filters. Nitrogen is stripped out of the airstream and held by the sieve, while O<sub>2</sub> and other gasses are passed to a holding cell. The pressure is released from the sieve and Nitrogen is released back out to atmosphere by virtue of the lack of pressure. This process is repeated over and over by two separate sieves working in alteration to always keep a high concentration of O<sub>2</sub> ready for use. Although the concentrator filters the oxygen in a room, it will not affect the normal amount of oxygen in your room.

## IMPORTANT PARTS OF YOUR CONCENTRATOR

Please take time to familiarize yourself with your VetEquip oxygen concentrator before operating.



1. Operating Information
2. Power Switch ( | = ON; O = OFF)
3. Flow meter knob
4. Flow meter
5. Circuit breaker (resets the unit after electrical overload shutdown)
6. Bleed valve
7. Oxygen outlet (O<sub>2</sub> is dispersed through this port)
8. Normal Oxygen (green) light (see page 9)
9. Low Oxygen (yellow) light (see page 9)
10. Red Service Required (red) light (when illuminated contact your VetEquip provider)
11. Hour meter




Close up of Bleed Valve (6)



12. Handgrip
13. Exhaust
14. Power cord and/or IEC power connector
15. Line cord strap
16. Filter Door with venting and compartment for optional gross particle filter

**Under no circumstances, should a nebulizer or any other humidification device be used when pairing with an anesthesia system. Moisture added to the O<sub>2</sub> stream is corrosive to anesthetic vaporizers and all warranties will be void.**

	<p><b>DANGER</b> Oxygen causes rapid burning. Keep the oxygen concentrator at least 2 m (6.5 feet) from hot, sparking objects or open sources of flame.</p>
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## SETTING UP YOUR OXYGEN CONCENTRATOR

1. Position your unit near an electrical outlet in the room where convenient

**i NOTE**– *Do not connect to an electrical outlet controlled by a wall switch.*

2. Position your unit on a flat surface at least 6 inches (16 cm) from walls, combustibles, or any other objects that might prevent the proper flow of air in and out of your oxygen concentrator. The oxygen concentrator should be located in a well-ventilated area to avoid pollutants or fumes.

**i NOTE**– *To move the unit, firmly grasp the handle located on the top of the unit, rolling and/or lifting the unit over pathway obstacles.*

3. Before operating your unit, always check to be sure the filter door vents (located on the back of your unit) are clean. Proper cleaning is discussed in the Caring For Your Concentrator section.
4. Note that the Bleed Valve is present and there are no obstructions
5. Remove the power cord completely from the line cord strap. Make sure the power switch is in the “Off” position and insert the plug into the wall outlet. The unit is double insulated to guard against electric shock.

**i NOTE**– *(on 120-volt units) The plug on the VetEquip oxygen concentrator has one blade wider than the other. To reduce the risk of electric shock, this plug is intended to fit in a wall outlet only one way. Do not attempt to defeat this safety feature.*

**i**

## INITIAL OPERATION

1. Press the power switch to the “On” position. When the unit is turned “On,” all three lights (Service Required, Low Oxygen and Normal Oxygen) on the front panel will illuminate briefly and an audible signal will briefly alarm confirming that the LEDs and audible signal are functioning properly. The unit will then operate in “startup” mode with the Low Oxygen light lit until a normal oxygen level is achieved, at which time the Normal Oxygen light will remain lit. The “startup” may take up to 15 minutes but is generally much shorter.

**NOTE**– *VetEquip recommends for optimal service life that the VetEquip OxyVet Oxygen Concentrator be operated for at least 30 minutes after it is powered on. Shorter periods of operation, operating in extreme temperature/humidity conditions or in the presence of contaminants, and/or handling and storage conditions outside those specified, may affect the long-term reliable operation of the product.*

**NOTE**– *If the audible signal alarms but the unit is not operating, there is no power to the unit. Refer to the Minor Troubleshooting chart on page 11 and contact your VetEquip provider if necessary.*

2. Adjust the flow of Oxygen to 10 LPM. Do not exceed the 10LPM indicator as the unit will go into alarm if the flow control is opened further than necessary

**NOTE**– *If the flow meter knob is turned clockwise, the flow decreases (and eventually will shut off the oxygen flow). If the knob is turned counterclockwise, the flow increases.*

**NOTE**– *The low-flow alarm may activate if the bleed valve is removed or obstructed. The unit will continue to run; however, the Service Required light will come on accompanied by an audible alarm. A small amount of bleed is required while the unit is running and your anesthesia system flowmeter is turned to zero*

**Connect your O2 hose to the DISS fitting directly below the Bleed Valve.**

3. Your VetEquip concentrator is now ready for use. Allow up to 15 minutes for the oxygen concentrator to reach stated performance.

**NOTE:** **Once the ‘initial set up is complete, it will not be necessary to turn the O2 flow control on the concentrator to zero when shutting down. Leave your flow control at 10LPM and simply turn off the power switch. Subsequent startup will not involve removing the O2 hose, or re-setting of components.**

### VetEquip OSD® Operation

The OSD (Oxygen Sensing Device) is a device within your concentrator that monitors the oxygen produced by your unit.

The OSD lights on the top panel are defined as follows:

- Green Normal Oxygen light–acceptable oxygen level.
- Yellow Low Oxygen light– below an acceptable oxygen level.

If the oxygen purity falls below the acceptable level: The green Normal Oxygen light will shut off, the yellow Low Oxygen light will illuminate, and an intermittent audible signal will sound.

Refer to the Minor Troubleshooting section in this guide on page 11. Do not attempt any other maintenance. Contact your VetEquip provider immediately.

## CARING FOR YOUR VETEQUIP OXYGEN CONCENTRATOR

VetEquip recommends using only original VetEquip parts and filters in order to guarantee reliable operation of the product.



### WARNING

Do NOT use lubricants, oils or grease.  
Before attempting any cleaning procedures, turn the unit "Off."

### Filter Door with Vents

Inspect the vents periodically, and wipe with a dry cloth as needed to remove dust.

### Exterior Cabinet

Clean the concentrator exterior cabinet weekly by using a damp cloth and wiping dry; the vents can also be wiped with a damp cloth.

	Recommended cleaning interval	Number of cleaning cycles *
Outer Cabinet	7 days	260
Filter Door Vents	7 days	260



## TROUBLESHOOTING

The following troubleshooting chart will help you analyze and correct minor oxygen concentrator malfunctions. If the suggested procedures do not help, switch to your reserve oxygen system and call your VetEquip provider. Do not attempt any other maintenance.

SYMPTOM	POSSIBLE CAUSE	REMEDY
A. Unit does not operate. All lights are off when the power switch is "On." Audible alert is pulsing.	1. Power cord not properly inserted into wall outlet.	1. Check power cord connection at the wall outlet. On 230-volt units, also check the mains connection on the back of the unit.
	2. No power at wall outlet.	2. Check your home circuit breaker and reset if necessary. Use a different wall outlet if the situation occurs again.
	3. Oxygen concentrator circuit breaker activated.	3. Press the concentrator circuit breaker reset button located below the power switch. Use a different wall outlet if the situation occurs again. If the above remedies do not work, contact your VetEquip provider.
B. Unit operates. Red Service Required light is illuminated. Audible alert may be sounding.	1. Filter door vents are blocked.	1. Check filter door vents and ensure that the openings are not blocked.
	2. Exhaust is blocked.	2. Check the exhaust area and make sure there is nothing restricting the unit exhaust.
	3. Blocked O2 line	3. Disconnect the oxygen hose at the oxygen outlet. If proper flow is restored, check oxygen hose for obstructions or kinks. Replace if necessary.
	4. Blocked, missing or defective Bleed Valve.	4. Assure Bleed valve is present. Assure there is no obstruction, and you can hear a small amount of O2 flowing through it. Replace if necessary
C. Unit operates. Audible low-frequency vibration sound is detected.	Electronic Assembly Malfunction.	1. Turn your unit "Off." Switch to your reserve oxygen system and contact your VetEquip provider immediately.
Yellow Low Oxygen light is on.	Unit in "startup" mode.	Allow unit up to 15 minutes to complete start up period.
E. The yellow Low Oxygen light is on and the intermittent audible signal is sounding.	Flow meter is not properly set.	1. Ensure the flow meter is properly set
	Filter door vents are blocked.	Check filter door vents and ensure that the openings are not blocked.
	Exhaust is blocked.	3. Check the exhaust area and make sure there is nothing restricting the unit exhaust. If the above remedies do not work, contact your VetEquip provider.

*Table Continued on next page*




SYMPTOM	POSSIBLE CAUSE	REMEDY
F. Red Service Required light is on and an intermittent audible signal is sounding.	Flow meter is not properly set.	1. Ensure the flow meter is properly set- not greater than 10LPM
	Filter door vents are blocked.	Check filter door vents and ensure that the openings are not blocked.
	Exhaust is blocked.	3. Check the exhaust area and make sure there is nothing restricting the unit exhaust. If the above remedies do not work, contact your VetEquip provider.
	Electronic Assembly Malfunction.	4. Turn your unit "Off." Switch to your reserve oxygen system and contact your VetEquip provider immediately.
G. If any other problems occur with your oxygen concentrator.		1. Turn your unit "Off." Switch to your reserve oxygen supply and contact your VetEquip provider immediately.

	<p><b>CAUTION</b> Use of harsh chemicals (including alcohol) is not recommended. If bactericidal cleaning is required, a non-alcohol based product should be used to avoid inadvertent damage.</p>
	<p><b>WARNING</b> To avoid electric shock, do not plug the concentrator into an AC outlet if the concentrator cabinet is broken. Do not remove the concentrator cabinet. The cabinet should only be removed by a qualified VetEquip technician.</p>

## OVERVIEW OF ALARMS

This device contains an alarm system which monitors the state of the device and alerts of abnormal operation, loss of essential performance or failures. Alarm conditions are shown on the LED display. The alarm system functions are tested at power up by lighting all visual alarm indicators and sounding the audible alarm (beep).

All alarms are Low Priority Technical Alarms.

Alarm Condition	LED Indicator	Visual Alarm Signal Meaning	Audible Alarm Signal	Visual Alarm Signal Cleared by	Action to take
Start-up Period		YELLOW Low O <sub>2</sub> LED ON	No	After startup period, O <sub>2</sub> ≥82%	Wait for unit to finish startup period, up to 15 minutes
Low Oxygen Concentration at <82%		YELLOW Low O <sub>2</sub> LED ON	Yes	Turn unit off	See Troubleshooting table
Malfunction		RED Service Required LED ON	Yes	Turn unit off	Return unit to provider for service





## SPECIFICATIONS

VETEQUIP 10-LITER SERIES	
<b>Catalog Number</b>	<b>1025DS</b>
<b>Delivery Rate</b>	2 to 10 LPM
<b>Maximum Recommended Flow</b> (@ nominal outlet pressures of zero and 7 kPa)**	10 LPM
<b>Outlet Pressure</b>	20.0 ± 1.0 psi (138 kPa +/- 7 kPa)
<b>Auxiliary Oxygen Port **</b>	Outlet Pressure: <15 psi Outlet Flow: 2 LPM
<b>Electrical Rating</b>	120 V, 60 Hz, 6 .1 Amp
<b>Operating Voltage Range</b>	102-132 V~, 60 Hz
<b>Oxygen Percentage</b>	2-10 LPM=87%-96%
(Tested at 70°F {21°C} only) 0-1500 M (0-5000 ft)	Across the voltage range: No degradation of performance
41°F (5°C) to 95°F (35°C), humidity range of 15% to 93% noncondensing	No degradation in performance across the operating voltage range.
<b>Power Consumption</b>	120 vac, 60HZ: 639 watts average
<b>Weight</b>	42 lbs. (19 Kilograms)
<b>Safe Working Load</b>	53 lbs. (24 Kilograms)
<b>Sound Pressure Level at 3 and 10LPM</b>	<59 dBA
<b>Sound Power Level at 3 and 10 LPM</b>	<69 dBA
<b>Dimensions</b>	24.5"H x 13.5" W x 12"D (62.2 x 34.2 x 30.4 cm)
<b>Maximum Limited Pressure</b>	35 PSIG (241 kPa)
<b>Operating System</b>	Time Cycle / Pressure Swing
<b>Low Oxygen Indicator</b>	<82% low oxygen <60% very low oxygen
<b>Storage Conditions</b>	-13°F (-25°C) to 158°F (70°C), humidity range of 15% to 93% non-condensing
<b>Equipment Class and Type</b>	<input type="checkbox"/> Class II Equipment Double Insulated. <input checked="" type="checkbox"/> Type B Applied Part Ordinary Equipment, IP21
<b>Approval Body and Safety Standard</b>	TUV ANSI/AAMI ES60601-1:2005+A2 (R2012) +A1 IEC 60601-1-6:2010 IEC 60601-1-11:2015 ISO 80601-2-69:2014 CAN/CSA-C22.2 No. 60601-1:14

## OXYGEN CONCENTRATION VS FLOW RATE

Flow L/m	%O <sub>2</sub>
10	87% - 92%
9	87% - 93%
8	87% - 95%
7	87% - 96%
6	87% - 96%
5	87% - 96%
4	87% - 95%
3	87% - 95%
2	87% - 94%

## ELECTROMAGNETIC COMPATIBILITY INFORMATION

 	<p><b>WARNING</b></p> <p><b>MR Unsafe</b></p> <p>Do not bring the device or accessories into a Magnetic Resonance (MR) environment as it may cause unacceptable risk to the patient or damage to the oxygen concentrator or MR medical devices. The device and accessories have not been evaluated for safety in an MR environment.</p> <p>Do not use the device or accessories in an environment with electromagnetic equipment such as CT scanners, Diathermy, RFID and electromagnetic security systems (metal detectors) as it may cause unacceptable risk to the patient or damage to the oxygen concentrator. Some electromagnetic sources may not be apparent, if you notice any unexplained changes in the performance of this device, if it is making unusual or harsh sounds, disconnect the power cord and discontinue use.</p>
	<p><b>WARNING</b></p> <p>Use of this equipment adjacent to or stacked with other equipment should be avoided because it could result in improper operation. If such use is necessary, this equipment and the other equipment should be observed to verify that they are operating normally.</p>
	<p><b>WARNING</b></p> <p>Portable RF communications equipment (including peripherals such as antenna cables and external antennas) should be used no closer than 30 cm (12 inches) to any part of the oxygen concentrator, including cables specified by the manufacturer. Otherwise, degradation of the performance of this equipment could result.</p>

## WARRANTY

VetEquip warrants the VetEquip OxyVet Oxygen Concentrator under the conditions and limitations stated below. VetEquip warrants this equipment to be free from defects in workmanship and materials for Five (5) years from date of factory shipment to the original purchaser, unless contractually specified otherwise. This warranty is limited to the Buyer of new equipment purchased directly from VetEquip, or one of its Providers, Distributors, or Agents. VetEquip's obligation under this warranty is limited to product repair (parts and labor) at its factory or at an Authorized Service Center. Routine maintenance items, such as filters, are not covered under this warranty, nor does it cover normal wear and tear.

### Warranty Claims Submissions

The original purchaser must submit any warranty claim to VetEquip or to an Authorized Service Center. Upon verification of the warranty status, instructions will be issued. For all returns, the original purchaser must (1) properly package the unit in a VetEquip approved shipping container, (2) properly identify the claim with the Return Authorization Number, and (3) send the shipment freight prepaid. Service under this warranty must be performed by VetEquip and/or an Authorized Service Center.

- i** **NOTE**– *This warranty does not obligate VetEquip to provide a loaner unit during the time that an oxygen concentrator is undergoing repair.*
- i** **NOTE**– *Replacement components are warranted for the unexpired portion of the original Limited Warranty.*

This warranty shall be voided, and VetEquip shall be relieved of any obligation or liability if:

- The device has been misused, abused, tampered with, or used improperly during this period.
- Malfunction results from inadequate cleaning or failure to follow the instructions.
- The equipment is operated or maintained outside the parameters indicated in the VetEquip operating and service instructions.
- Unqualified service personnel conduct routine maintenance or servicing.
- Unauthorized parts or components (i.e., regenerated sieve material) are used to repair or alter the equipment.
- Unapproved filters are used with the unit.

THERE IS NO OTHER EXPRESS WARRANTY. IMPLIED WARRANTIES, INCLUDING THOSE OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED TO THE DURATION OF THE EXPRESS LIMITED WARRANTY AND TO THE EXTENT PERMITTED BY LAW ANY AND ALL IMPLIED WARRANTIES ARE EXCLUDED. THIS IS THE EXCLUSIVE REMEDY AND LIABILITY FOR CONSEQUENTIAL AND INCIDENTAL DAMAGES UNDER ANY AND ALL WARRANTIES ARE EXCLUDED TO THE EXTENT EXCLUSION IS PERMITTED BY LAW. SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, OR THE LIMITATION OR EXCLUSION OF CONSEQUENTIAL OR INCIDENTAL DAMAGES, SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU.

This warranty gives you specific legal rights, and you may also have other rights that vary from state to state.