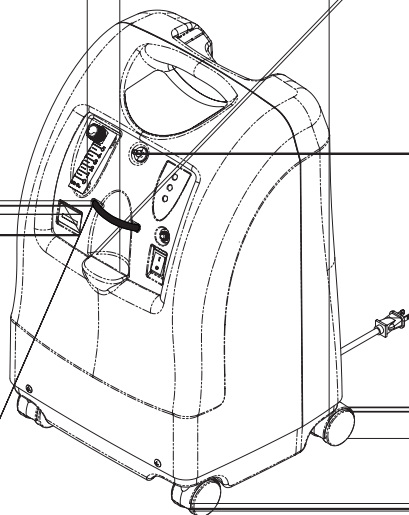


Operator's Manual

Perfecto₂[™] Series

Oxygen Concentrators without SensO₂[®],
Oxygen Concentrators with SensO₂[®]
HomeFill[™] Compatible



Model IRC5PO2

Model IRC5P

Dealer: This manual MUST be given to the end user.

User: BEFORE using this product, read this manual and save for future reference.

**For more information regarding
Invacare products, parts, and services,
please visit www.invacare.com**



Yes, you can.

WARNING

DO NOT OPERATE THIS EQUIPMENT WITHOUT FIRST READING AND UNDERSTANDING THIS MANUAL. IF YOU ARE UNABLE TO UNDERSTAND THE WARNINGS, CAUTIONS, AND INSTRUCTIONS, CONTACT INVACARE TECHNICAL SERVICES BEFORE ATTEMPTING TO USE THIS EQUIPMENT - OTHERWISE SERIOUS INJURY OR PROPERTY DAMAGE MAY RESULT.

ACCESSORIES

There are many different types of humidifiers, oxygen tubing, cannulas and masks that can be used with this device. You should contact your local home care provider for recommendations on which of these devices will be best for you. They should also give you advice on the proper usage, maintenance, and cleaning.

WARNING

Invacare products are specifically designed and manufactured for use in conjunction with Invacare accessories. Accessories designed by other manufacturers have not been tested by Invacare and are not recommended for use with Invacare products.

NOTE: Updated versions of this manual can be found at www.invacare.com.

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SPECIAL NOTES

Signal words are used in this manual and apply to hazards or unsafe practices which could result in personal injury or property damage. Refer to the following table for definitions of the signal words.

SIGNAL WORD	MEANING
DANGER	Danger indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.
WARNING	Warning indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.
CAUTION	Caution indicates a potentially hazardous situation which, if not avoided, may result in property damage.

NOTICE

The information contained in this document is subject to change without notice.

DANGER

DO NOT SMOKE while using this device. Keep all matches, lighted cigarettes or other sources of ignition out of the room in which this product is located and away from where oxygen is being delivered.

NO SMOKING signs should be prominently displayed. Textiles and other materials that normally would not burn are easily ignited and burn with great intensity in oxygen enriched air. Failure to observe this warning can result in severe fire, property damage and cause physical injury or death.

SECTION I —GENERAL GUIDELINES

In order to ensure the safe installation, assembly and operation of the Perfecto₂ concentrator these instructions **MUST** be followed.

CAUTION

“Caution: Federal law restricts this device to sale or rental by or on order of a physician, or any other practitioner licensed by the law of the State in which he/she practices to use or order the use of this device.”

WARNING

SECTION I - GENERAL GUIDELINES contains important information for the safe operation and use of this product. **DO NOT** use this product or any available optional equipment without first completely reading and understanding these instructions and any additional instructional material such as **Owner's Manuals, Service Manuals or Instruction Sheets** supplied with this product or optional equipment. If you are unable to understand the **Warnings, Cautions or Instructions**, contact a healthcare professional, dealer or technical personnel before attempting to use this equipment - otherwise, injury or damage may occur.

DANGER

Risk of electric shock. **DO NOT** disassemble. Refer servicing to qualified service personnel.

⚠ DANGER

The use of oxygen therapy requires that special care be taken to reduce the risk of fire. Any materials that will burn in air, and some that will not, are easily ignited and burn rapidly in high concentrations of oxygen. For safety concerns, it is necessary that all sources of ignition be kept away from the product and out of the room in which it is being used. NO SMOKING signs should be prominently displayed.

⚠ WARNING

A spontaneous and violent ignition may occur if oil, grease or greasy substances come in contact with oxygen under pressure. These substances **MUST** be kept away from the oxygen concentrator, tubing and connections, and all other oxygen equipment. **DO NOT** use any lubricants unless recommended by Invacare.

For optimum performance, Invacare recommends that each concentrator be on and running for a minimum of 30 minutes at a time. Shorter periods of operation may reduce maximum product life.

If the concentrator has a damaged cord or plug, if it is not working properly, if it has been dropped or damaged, or dropped into water, call qualified technician for examination and repair.

Keep the oxygen tubing, cord, and unit away from heated or hot surfaces, including space heaters, blankets, stoves and similar electrical appliances.

DO NOT move or relocate concentrator by pulling on the cord.

NEVER drop or insert any object into any opening.

⚠ WARNING

NEVER block the air openings of the product or place it on a soft surface, such as a bed or couch, where the air opening may be blocked. Keep the openings free from lint, hair and the like. Fill humidifier with water to the level shown by the manufacturer. DO NOT overfill.

Keep unit at least three inches away from walls, draperies, furniture, and the like.

Invacare recommends that Crush-Proof oxygen tubing be used with this product and not exceed 50 ft. (15.2m) in length.

Maintenance

The Invacare Oxygen Concentrator was specifically designed to minimize routine preventive maintenance. Only professionals of the healthcare field or persons fully conversant with this process such as factory trained personnel should perform preventive maintenance or performance adjustments on the oxygen concentrator.

Radio Frequency Interference

Most electronic equipment is influenced by Radio Frequency Interference (RFI). Caution should be exercised with regard to the use of portable communications equipment in the area around such equipment.

⚠ WARNING**To Reduce The Risk Of Burns,
Electrocution, Fire Or Injury To
Persons.**

Avoid using while bathing. If continuous usage is required by the physician's prescription, the concentrator **MUST** be located in another room at least seven feet from the bath.

DO NOT come in contact with the concentrator while wet.

DO NOT place or store product where it can drop into water or other liquid.

DO NOT reach for product that has fallen into water. Unplug **IMMEDIATELY**.

A product should **NEVER** be left unattended when plugged in.

This device is to be used only in accordance with the prescription of a physician and this Owner's Manual. If at any time the patient or attendant conclude that the patient is receiving an insufficient amount of oxygen, the supplier and/or physician should be contacted **IMMEDIATELY**.

DO NOT change the L/min setting on the flowmeter unless a change has been prescribed by your physician or therapist.

Close supervision is necessary when this product is used near children or physically-challenged individuals.

Use this product for only intended use as described in this manual.

DO NOT connect the concentrator in parallel or series with other oxygen concentrators or oxygen therapy devices.

WARNING

Use of some administration accessories or certain humidifiers not specified for use with oxygen concentrator may impair the performance.

In certain circumstances oxygen therapy can be hazardous. Invacare recommends that you seek medical advice before using this machine.

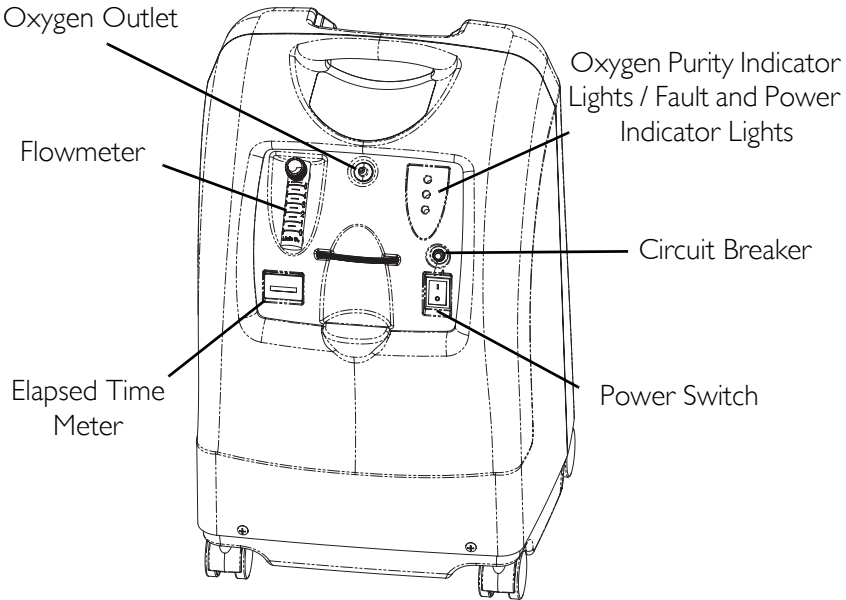
This equipment is to be used as an oxygen supplement and is not considered life supporting or life sustaining.

Avoid creation of any spark near medical oxygen equipment. This includes sparks from static electricity created by any type of friction.

Polarized Plug Instruction

As a safety feature, this appliance has a polarized plug (one blade is wider than the other). This plug will fit in a polarized outlet only one way. If the plug does not fit fully in the outlet, reverse the plug. If it still does not fit, contact a qualified electrician. DO NOT attempt to defeat this safety feature.

SECTION 2—FEATURES

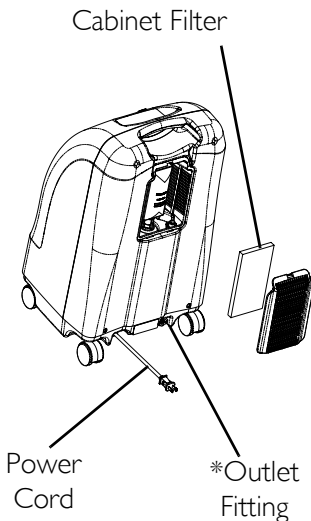


REAR VIEW

ACCESSORIES (NOT SHOWN):

PreciseRX™ Pediatric Humidifier/Flowmeter
Accessory - IRCPF16 (Perfecto₂ 5 Only)

HomeFill home oxygen compressor - IOH200



**NOTE: This outlet fitting is to be used only for filling oxygen cylinders with the HomeFill home oxygen compressor. The outlet fitting does not affect concentrator performance. Refer to the HomeFill owner's manual, part number 1100873, for connection and operating instructions. When not in use, the plug provided with the concentrator should be inserted into the outlet fitting. For more information about the HomeFill, contact your Invacare dealer.*

SECTION 3—HANDLING

The concentrator should ALWAYS be kept in the upright position to prevent cabinet damage while being transported. The shipping container has been designed to assure maximum protection of the concentrator.

If the concentrator is to be reshipped by common carrier, additional cartons are available from Invacare.

Unpacking

NOTE: For this procedure, refer to FIGURE 3.1.

1. Check for any obvious damage to the carton or its contents. If damage is evident, notify the carrier, or your local dealer.
2. Remove all loose packing from the carton.
3. Carefully remove all the components from the carton.

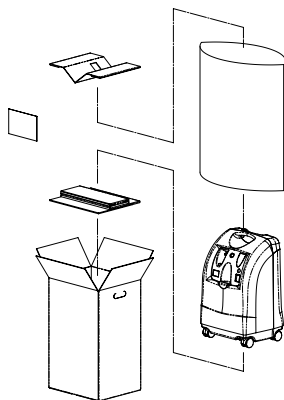


FIGURE 3.1 Unpacking

NOTE: Unless the oxygen concentrator is to be used IMMEDIATELY, retain containers and packing materials for storage until use of the concentrator is required.

Inspection

1. Inspect/examine exterior of the oxygen concentrator for nicks, dents, scratches or other damages. Inspect all components.

Storage

1. Store the repackaged oxygen concentrator in a dry area.
2. DO NOT place objects on top of repackaged concentrator.

SECTION 4—TYPICAL PRODUCT PARAMETERS



Electrical Requirements:	120 VAC \pm 10% (132 VAC/108 VAC), 60 Hz
Rated Current Input:	Perfecto ₂ 5: 3 A
Sound Level:	Perfecto ₂ 5: 44 \pm 2 dBA Average
Altitude:	Perfecto ₂ 5 - Up to 6,000 ft. (1828 meters) above sea level without degradation of concentration levels. From 6,000 ft. (1828 meters) to 13,129 ft. (4000 meters) below 90% efficiency.
*Oxygen Output Concentration Levels:	All IRC5PO2/IRC5P models 95.6% to 87% at 0.5 to 5 L/min
Maximum Outlet Pressure:	Perfecto ₂ 5: 5 psi \pm 0.5 psi. (34.5 kPa \pm 3.45 kPa.)
Flow Range:	Perfecto ₂ 5 - 0.5 to 5 L/min For flowrates less than 1 L/min, we recommend the use of the Invacare Pediatric Flowmeter IRCPF16 Accessory.
Low Flow Alarm:	Perfecto ₂ 5 - 0 L/min to 0.5 L/min Rapid Audible Alarm Beeping (No Accessories Connected).
Average Power Consumption:	Perfecto ₂ 5: 280 W (Operating @ 3 L/min)
Pressure Relief Mechanism Operational at:	35 psi \pm 3.5 psi (24.1 kPa \pm 24.1 kPa)
Change in maximum recommended flow when back pressure of 7kPa is applied:	0.7 L/min
Filters:	Cabinet, Outlet HEPA and Compressor Inlet

SECTION 4—TYPICAL PRODUCT PARAMETERS


Safety System:	Current overload or line surge shutdown. High temperature compressor shutdown. High Pressure Alarm w/compressor shutdown. Low Pressure Alarm w/compressor shutdown. Battery Free Power Loss Alarm. SensO ₂ Oxygen System (SensO ₂ Model) Low Flow Alarm.
Width:	15 in. ± 3/8 in (38.1 cm ± 1 cm)
Height:	23 in. ± 3/8 in (58.4 cm ± 1 cm)
Depth:	12 in. ± 3/8 in (30.5 cm ± 1 cm)
Weight:	Perfecto ₂ 5: 43 lbs ± 2 lbs (19.5 kg ± 1 kg)
Shipping Weight:	Perfecto ₂ 5: 48 lbs ± 2 lbs (21.8 kg ± 1 kg)
Operating Ambient Temperature:	50°F - 95°F (10°C - 35°C) at 20-60% relative humidity
Exhaust:	Perfecto ₂ 5: Less than Ambient + 35°F (+19°C).
Oxygen Output:	Perfecto ₂ 5: Less than Ambient + 6°F (+3°C)
Cabinet:	Impact Resistant flame-retardant plastic cabinet that conforms to UL 94-V0.
Regulatory Listing:	Double Insulated Product ETL certified complying with UL 1097 ETL certified to CSA C22.2 No. 68.
Electrical:	No extension cords.
Placement:	No closer than three inches from any wall, furniture, draperies, or similar surfaces.
Tubing:	7 ft cannula with a maximum 50 ft of Crush-Proof Tubing (DO NOT pinch).
Relative Humidity:	20 to 60%
Time of Operation:	Up to 24 hours per day.
Recommended Storage and Shipping Temperature:	-20°F to 150°F (-29°C to 65°C), at 15-95% relative humidity.

**NOTE: Stated concentration levels achieved after initial warm-up period (approximately 30 minutes).*

IRC5PO2 INDICATORS

LABEL SYMBOL	O ₂ PURITY	INDICATOR LIGHTS (LED)
O ₂	SYSTEM OKAY O ₂ over 85% (± 2%)	GREEN Indicator Light
	O ₂ Between 73% (± 3%) to 85% (±2%)	YELLOW Indicator light A. YELLOW Solid B. YELLOW Flashing Sensor Failure Call a qualified technician.
	SYSTEM FAILURE O ₂ Below 73% (±3%)	RED Indicator Light Continuous Audible Alarm Sieve-GARD Compressor Shut-down.

IRC5P INDICATORS

LABEL SYMBOL	STATUS	INDICATOR LIGHTS (LED)
I/O	SYSTEM OKAY	GREEN Indicator Light
	SYSTEM FAILURE	RED Indicator light Continuous Audible Alarm Sieve-GARD™ Compressor Shutdown Call a qualified technician

SECTION 5—OPERATING INSTRUCTIONS

Introduction

Your oxygen concentrator is intended for individual use in the home. It is an electronically operated device that separates oxygen from room air. It provides high concentration of oxygen directly to you through a nasal cannula. Clinical studies have documented that oxygen concentrators are therapeutically equivalent to other types of oxygen delivery systems.

Your provider will show you how to use your oxygen concentrator. He/She should be contacted with any questions or problems regarding your oxygen concentrator. This owner's manual will tell you about your concentrator and will serve as a reference as you use your concentrator.

Select a Location

You may select a room in your house where using your oxygen concentrator would be most convenient. Your concentrator can be easily rolled from room to room on its casters.

Your oxygen concentrator will perform best when operated under the following conditions. Refer to Recommended Guidelines for Optimum Performance on page 17. Usage in environments other than those described may result in the need for increased equipment maintenance. The air intake of the unit should be located in a well ventilated area to avoid airborne pollutants and/or fumes.

Recommended Guidelines for Optimum Performance

Temperature:	50°F - 95°F (10°C - 35°C)
Electrical:	No extension cords.
Placement:	No closer than three inches from the wall, furniture, draperies, or similar surfaces.
Tubing and Cannula:	7 ft cannula with a maximum 50 ft of Crush-Proof Tubing (DO NOT pinch).
Environment:	Smoke and soot-free. No confined spaces (Example: No closets).
Relative Humidity:	20 to 60%
Time of Operation:	Up to 24 hours per day.
Flow Rate	Perfecto ₂ 5: From 0.5 L/min to 5 L/min For flow rates less than 1 L/min, use the Pediatric Flowmeter Accessory.
Minimum Operating Time:	30 Minutes

NOTE: Ensure that your concentrator is at least three inches away from walls, draperies or furniture to assure sufficient air flow. Avoid deep pile carpets and heaters, radiators or hot air registers.

Plug in Power Cord

1. Plug in power cord to an electrical outlet.

Connect Humidifier (If So Prescribed)

⚠ WARNING

For optimum performance, Invacare recommends that each concentrator be on and running for a minimum of 30 minutes at a time. Shorter periods of operation may reduce maximum product life.

DO NOT overfill humidifier.

DO NOT reverse the oxygen input and output connections. Water from the humidifier bottle will travel through the cannula back to the patient.

NOTE: For this procedure, refer to FIGURE 5.1, FIGURE 5.2 on page 19, FIGURE 5.3 on page 20.

1. Remove cap from bottle.
2. Fill humidifier with distilled water to the level indicated by the manufacturer. Replace the humidifier cap and securely tighten.

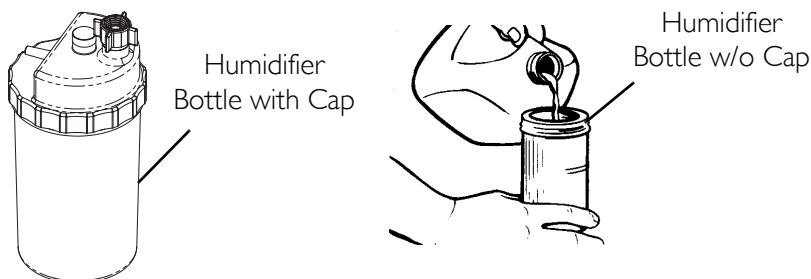


FIGURE 5.1 Filling the Humidifier

3. Insert a flathead screwdriver in the plate groove on the top edge of the filter access door and gently pry the filter access door off (FIGURE 5.2).
4. Pull up and remove the humidifier bottle adapter (FIGURE 5.2).

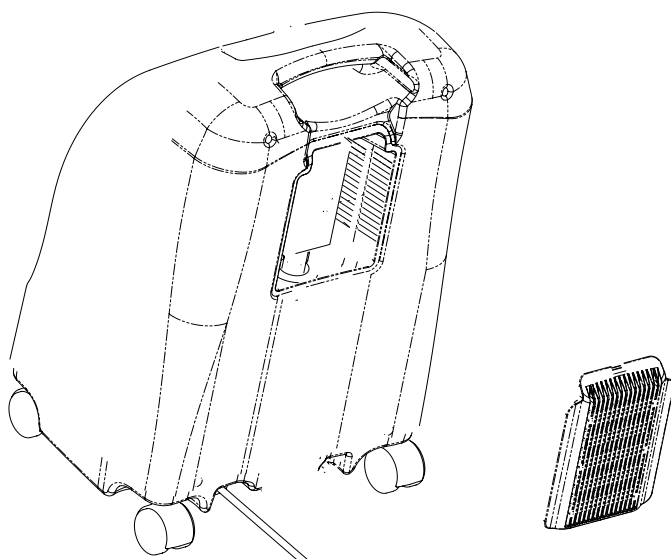


FIGURE 5.2 Humidifier Bottle Adapter

5. Attach the humidifier bottle adapter to the humidifier bottle by turning the wing nut on the humidifier bottle counterclockwise until it is securely fastened. See Detail "A" in FIGURE 5.3.
6. Place the humidifier bottle/adapter assembly in the humidifier compartment on the concentrator. See Detail "B" in FIGURE 5.3.
7. Attach oxygen tubing from the humidifier bottle/adapter assembly to oxygen outlet connector on the concentrator. See Detail "B" in FIGURE 5.3.
8. Attach the cannula/patient supply tubing to the humidifier bottle outlet. See Detail "B" in FIGURE 5.3.
9. After assembly, ensure that oxygen is flowing through the cannula.

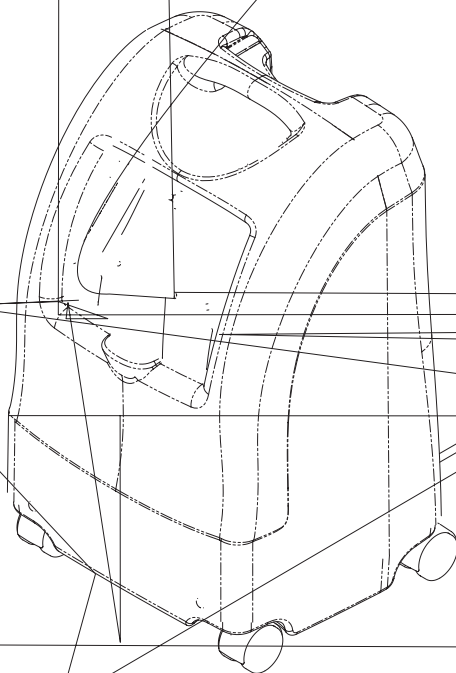
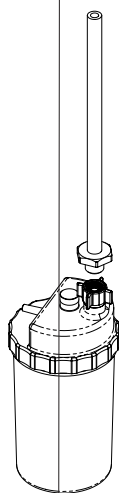


FIGURE 5.3 Humidifier Compartment

Power Switch

NOTE: For this procedure, refer to FIGURE 5.4.

1. Press power switch to on position. All the panel lights and the audible alarm will come on for one second, indicating that the unit is functioning properly. After one second, only the GREEN system ok/power light will stay on.



FIGURE 5.4 Power Switch

Flowrate

NOTE: For this procedure, refer to FIGURE 5.5 on page 22.

1. Turn the flowrate knob to the setting prescribed by your physician or therapist.

⚠ WARNING

DO NOT change the L/min setting on the flowmeter unless a change has been prescribed by your physician or therapist.

NOTE: To properly read the flowmeter, locate the prescribed flowrate line on the flowmeter. Next, turn the flow knob until the ball rises to the line. Now, center the ball on the L/min line prescribed.

2. If the flowrate on the flowmeter ever falls below 0.5 L/min for Perfecto₂ 5 for more than about one minute, the LOW FLOW alarm will be triggered. This is a rapid beeping of the audible alarm. Check your tubing or accessories for blocked or kinked tubing or a defective humidifier bottle. After rated flow is restored, more than 0.5 L/min for Perfecto₂ 5, the LOW FLOW audible alarm will go off.

NOTE: The use of some accessories such as the pediatric flowstand and the HomeFill compressor will deactivate the Low Flow Alarm.

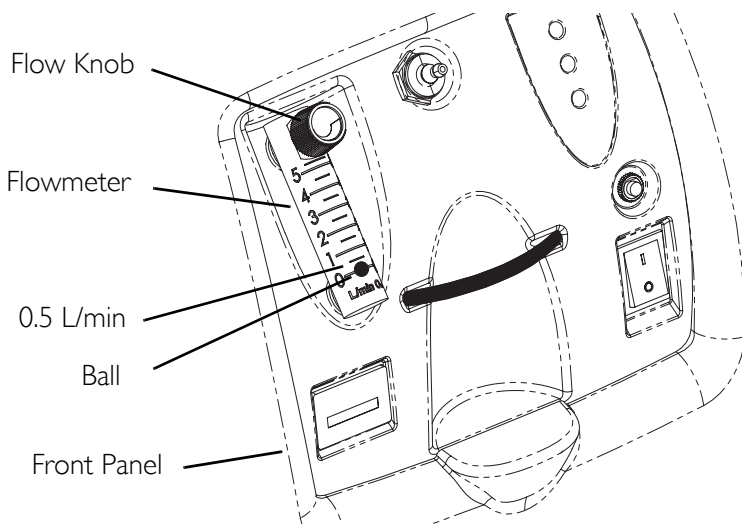


FIGURE 5.5 Flowrate

SensO₂ Oxygen Purity Indicator (If Your Unit Features the O₂ Sensor Feature)

This feature monitors the purity of oxygen generated by the oxygen concentrator. If purity falls below factory preset standards, indicator lights on the control panel will illuminate.

Initial Startup of the Concentrator

NOTE: Concentrator may be used during the initial start warm-up time (approximately 30 min.) while waiting for the O₂ purity to reach maximum.

When the unit is turned on, the GREEN light will come on (SYSTEM OK/O₂ greater than 85%). After five minutes, the oxygen sensor will be operating normally and will control the indicator lights depending on oxygen concentration values.

Explanation of Oxygen Purity Indicator Lights - Model IRC5PO2

NOTE: For this procedure, refer to FIGURE 5.6.

GREEN light (O₂) - Normal Operation.

YELLOW light (⚠) - Call supplier IMMEDIATELY. You may continue to use the concentrator unless instructed otherwise by your supplier. Be certain that backup oxygen is nearby.

RED light (🔔) - Total unit shutdown. Switch IMMEDIATELY to backup oxygen supply. Call supplier IMMEDIATELY.

GREEN light - with YELLOW light flashing - Call supplier IMMEDIATELY. Oxygen sensor malfunctioning; you may continue to use the concentrator.

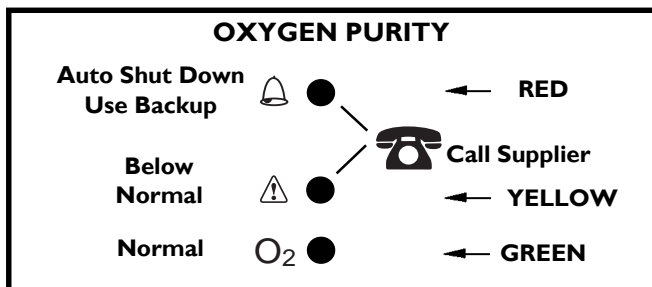


FIGURE 5.6 SensO₂ Oxygen Purity Indicator (If Your Unit Features the O₂ Sensor Feature)

Indicators (If Your Unit Does Not Feature the O₂ Sensor)

NOTE: For this procedure, refer to FIGURE 5.7.

IRC5P Model Indicator Light Explanation

RED light (🔔) - Total Unit Shut-Down. Switch IMMEDIATELY to a back-up oxygen supply. Call supplier IMMEDIATELY.

GREEN light (I/O) - On/Off. System okay.

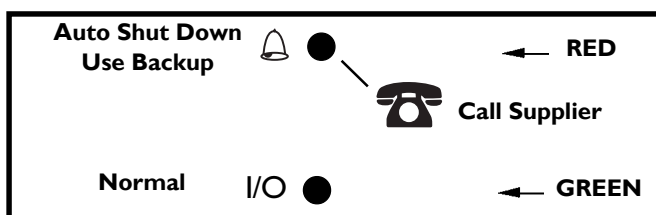


FIGURE 5.7 Indicators (If Your Unit Does Not Feature the O₂ Sensor)

SECTION 6—MAINTENANCE

NOTE: The Invacare concentrators are specifically designed to minimize routine preventive maintenance. In places with high dust or soot levels, maintenance may need to be performed more often. Only qualified personnel should perform preventive maintenance on the concentrator. Power should be disconnected before beginning preventive maintenance on the Invacare concentrator.

NOTE: At a minimum, preventive maintenance MUST be performed according to the maintenance record guidelines. Refer to Preventive Maintenance Record on page 27.

Routine Maintenance

NOTE: The following routine maintenance should be performed more frequently. See recommended intervals in each section and preventive maintenance record.

Cleaning the Cabinet Filter

NOTE: For this procedure, refer to FIGURE 6.1 on page 26.

NOTE: There is one cabinet filter located on the back of the cabinet.

1. Remove the filter and clean at least once a week depending on environmental conditions.

NOTE: Environmental conditions that may require more frequent cleaning of the filters include but are not limited to: high dust, air pollutants, etc.

2. Clean the cabinet filter with a vacuum cleaner or wash in warm soapy water and rinse thoroughly.
3. Dry the filter thoroughly before reinstallation.

CAUTION

DO NOT operate the concentrator without the filter installed.



Air Filter

Cabinet

UNPLUG
electrical

the con-
troller, DC

ing. To avoid
inlet.

1. Clea-
nor-

abinet with
cloth or sp-

old cleaner and

Humi-

NOTE:
provide
STEPS.

xygen humidity.
cturer. If none

ow the instructions
provided, follow these

1. Clea-

every day.

2. Wa-
par-

and rinse it with a solution of ten
vinegar.

3. Rin-
wat-

water and refill with distilled
the humidifier.

DO NOT

WING

'e.

PREVENTIVE MAINTENANCE RECORD

Model No. IRC _____

Serial No. _____

On Each Inspection

Record Date Of Service						
Record Elapsed Hours on Hour Meter						
Clean Cabinet Filters						
Check Prescribed L/min Flow Rate						
Annually, During Preventive Maintenance Schedule, Or Between Patients						
Clean/Replace Cabinet Filters						
Check outlet HEPA Filter*						
Check Compressor Inlet Filter*						
Check Oxygen Concentration (SensO ₂ models)						
Check Power Loss Alarm						
As Required						
Clean Heat Exchanger						
Replace Exhaust Muffler						
Rebuild Top End Compressor						
Every 180 Days for IRC5P						
Check oxygen Concentration						

*NOTE: Refer to Preventive Maintenance section of Service Manual.

SECTION 7—TROUBLESHOOTING GUIDE

SYMPTOM:	PROBABLE CAUSE:	SOLUTION:
Alarm:	Main Power Loss:	
Short beeps, long pause	1. Power cord not plugged in.	1. Insert plug into outlet.
Concentrator not operating, power switch On.	2. No power at outlet.	2. Inspect house circuit breakers or fuses. If problem recurs, use a different outlet.
Beep.....Beep.....	3. Tripped circuit breaker.	3. Call Service Provider.
Alarm: Continuous Concentrator not operating, Power Switch On. Beeeeeeep....	System Failure: 1. Unit overheating due to blocked air intake. 2. Insufficient power at outlet. 3. Internal repairs required.	1a. Remove and clean cabinet filters. 1b. Move oxygen concentrator at least three inches away from walls, draperies or furniture. 2. DO NOT use extension cords. Move to another electrical outlet or circuit. 3. Call Service Provider.

SYMPTOM:	PROBABLE CAUSE:	SOLUTION:
<p>YELLOW or RED light Illuminated.</p> <p>Alarm: Continuous On RED light only.</p> <p>* Only applies to 5PO₂ models.</p>	1. Low oxygen purity.*	1. Clean or Replace filters.
	2. Kinked or blocked tubing, cannula or humidifier.*	2. Inspect for kinks or blockages. Correct, clean or replace item. Once corrected, turn power Off for 60 seconds and then turn power back On.
	3. Flowmeter set at 0.5 L/min for Perfecto ₂ 5 *	3. Check flowmeter is set to 1.0 L/min or more. (Refer to <u>Recommended Guidelines for Optimum Performance</u> on page 17.
	4. Unit overheating due to blocked air intake.	4a. Remove and clean cabinet filters. 4b. Move concentrator at least three inches from walls, draperies, and furniture.
	5. Insufficient power at outlet.	5. DO NOT use extension cords. Move to another electrical outlet or circuit.
	6. Internal repairs required.	6. Call Service Provider.
GREEN light with YELLOW Light Flashing.	1. Internal repairs required.	1. Call Service Provider.

SYMPTOM:	PROBABLE CAUSE:	SOLUTION:
Alarm: Rapid Beep....Beep... Beep...Beep	LOW FLOW ALARM I a. Kinked or blocked tubing, cannula or humidifier. I b. Flowmeter set at 0.5 L/min for Perfecto ₂ 5.	I a. Inspect for kinks or blockages. Correct, clean or replace item. Once corrected, turn power Off for 60 seconds and then turn power back ON. I b. Reset flowmeter to prescribed flowrate. If prescribed flowrate is below 0.5 L/min, use the Pediatric Flowmeter IRCPF16 (Only with Perfecto ₂ 5).

LIMITED WARRANTY

NOTE: THE WARRANTY BELOW HAS BEEN DRAFTED TO COMPLY WITH FEDERAL LAW APPLICABLE TO PRODUCTS MANUFACTURED AFTER JULY 4, 1975.

This warranty is extended only to the original purchaser who purchases this product when new and unused from Invacare Corporation or a dealer. This warranty is not extended to any other person or entity and it is not transferable or assignable to any subsequent purchaser or owner. Coverage under this warranty will end upon any such subsequent sale or other transfer of title to any other person. This warranty gives you specific legal rights and you may also have other legal rights which may vary from state to state.

Invacare Corporation warrants its Perfecto₂ Oxygen Concentrators when purchased new and unused to be free from defects in materials and workmanship for a period of five years from date of purchase from Invacare or a dealer, with a copy of the seller's invoice required for coverage under this warranty.

DO NOT OPEN OR ATTEMPT TO SERVICE THE 4-WAY VALVE BODY. This will void any and all warranty applicable to the valve body. If within such warranty periods any such product shall be proven to Invacare Corporation's satisfaction to be defective, such product shall be repaired or replaced, at Invacare Corporation's option. This warranty only applies to the labor for repairs performed by the Invacare Service Department or Invacare Authorized Service Centers. It does not apply to the labor performed by the purchaser or user. This warranty does not include normal wear and tear or shipping charges. Invacare Corporation's sole obligation and your exclusive remedy under this warranty shall be limited to such repair or replacement. Routine maintenance items, such as filters, are excluded from this warranty.

For warranty service, please contact Invacare Corporation's Service Department at the toll free number on the back cover. Upon receiving notice of an alleged defect in a product, Invacare Corporation will issue a serialized return authorization. It shall then be the responsibility of the purchaser to return the entire unit or remove, at purchaser's cost, the defective component part(s) identified, pack the component part(s) in a manner to avoid shipping damage and to ship the component part(s) to either Invacare Corporation's plant or service center as specified by Invacare Corporation in advance. Defective component part(s) **MUST** be returned for warranty inspection using the serial number as identification within thirty days of return authorization date. **DO NOT** return products to our factory without prior consent. C.O.D. shipments will be refused; please prepay shipping charges.

LIMITATIONS AND EXCLUSIONS: THE FOREGOING WARRANTY SHALL NOT APPLY TO PRODUCTS SUBJECTED TO NEGLIGENCE, ACCIDENT, IMPROPER OPERATION, MAINTENANCE OR STORAGE, SOOT OR SMOKE-FILLED ENVIRONMENTS, OR OTHER THAN NORMAL APPLICATION, USE OR SERVICE, OR TO PRODUCTS MODIFIED WITHOUT INVACARE CORPORATION'S EXPRESS WRITTEN CONSENT (INCLUDING, BUT NOT LIMITED TO, MODIFICATION THROUGH THE USE OF UNAUTHORIZED PARTS OR ATTACHMENTS) OR TO PRODUCTS DAMAGED BY REASON OF REPAIRS MADE TO ANY COMPONENT WITHOUT THE SPECIFIC CONSENT OF INVACARE CORPORATION OR TO PRODUCTS DAMAGED BY CIRCUMSTANCES BEYOND INVACARE CORPORATION'S CONTROL.

THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IN LIEU OF ANY OTHER WARRANTIES WHATSOEVER, WHETHER EXPRESS OR IMPLIED, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, AND THE SOLE REMEDY FOR VIOLATIONS OF ANY WARRANTY WHATSOEVER, SHALL BE LIMITED TO REPAIR OR REPLACEMENT OF THE DEFECTIVE PRODUCT PURSUANT TO THE TERMS CONTAINED HEREIN. THE APPLICATION OF ANY IMPLIED WARRANTY WHATSOEVER SHALL NOT EXTEND BEYOND THE DURATION OF THE EXPRESS WARRANTY PROVIDED HEREIN. INVACARE SHALL NOT BE LIABLE FOR ANY CONSEQUENTIAL OR INCIDENTAL DAMAGES WHATSOEVER.

SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGE, OR LIMITATION OF HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE EXCLUSION AND LIMITATION MAY NOT APPLY TO YOU.

THIS WARRANTY SHALL BE EXTENDED TO COMPLY WITH STATE/PROVINCIAL LAWS AND REQUIREMENTS.

Invacare Corporation

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