



Oxygen Concentrator 7F-5 User's manual



**DO NOT OPERATE THIS UNIT WITHOUT FIRST
READING AND UNDERSTANDING THIS MANUAL.**

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SAFETY NOTES

WARNING: For avoiding power outage or oxygen concentrator operating failure, exigent oxygen user and serious patient must equip with reserve oxygen supply (for example: oxygen cylinder, oxygen bag). This device is to be used as an oxygen supplement and is not considered life supporting or life sustaining.

I .BEFORE INSTALLATION

- The concentrator should always be kept upright to prevent cabinet damage while being transported.
- If the electrical source power voltage is instable that beyond normal power rang, please add the manostat.
- Please use eligible, safe power set and junction box.
- Non-professional people do not open oxygen concentrator's cabinet.

II .PUT POSITION

- 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.
- Be certain to place the unit so all sides are at least 10cm away from walls, draperies, furniture, or other obstruction. Do not place the unit in a confined area.
- Oxygen concentrator must avoid heat source, fire source, wetness, exorbitant or over-low extra ventricular condition.
- Sundries and vessel do not be placed on top of the concentrator.

SAFETY NOTES

- NEVER block the air openings of the unit 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.

III.USING

- The use of oxygen therapy requires that special care be taken to reduce the risk of fire. Users MUST 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. 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.
- For optimum performance, do not open or turn off the concentrator frequently, reset after 3~5 minutes. Shorter periods of operation may reduce maximum product life.
- 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 manufacturer.

IV. MAINTENANCE

The oxygen concentrator was specifically designed to minimize routine preventive maintenance at intervals of once per year. Only professionals of the healthcare field or persons fully conversant with

SAFETY NOTES

this process such as authorized or factory trained personnel should perform preventive maintenance or performance adjustments on the oxygen concentrator.

V. 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.

VI. 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 2.5m 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 User'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. No adjustments should be made to the flowrate unless

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prescribed by a physician.

- 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 use parts, accessories or adapters other than those authorized by manufacturer.
- DO NOT connect the concentrator in parallel or series with other oxygen concentrators or oxygen therapy devices.
- 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. Manufacturer recommends that you seek medical advice before using this product.
- Avoid creation of any spark near medical oxygen equipment. This includes sparks from static electricity created by any type of friction.

FEATURES

I .SUMMARY

7F-5 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 concentrator are therapeutically equivalent to other types of oxygen delivery systems.

This user's manual will tell you about your concentrator and will serve as a reference as you use your concentrator.

II . CHRARCTERS

- Complete plastic outer shell, safe and reliable.
- Timing accumulates function, show total working hours through the display screen.
- Exceed press safety valve helping safe ensure.
- Install power loss alarming function, high pressure and low pressure alarming function.
- Compressor has got hot protection that ensures the safety of the compressor and concentrator.

III.SPECIFICAIONS

1. Flow Range: 1~5L/min
2. Oxygen Concentration: $\geq 90\%$
3. Maximum Outlet Pressure: $45\text{kPa} \pm 4.5\text{kPa}$
4. Pressure Relief Mechanism Operational at: $250\text{kPa} \pm 25\text{kPa}$
5. Altitude: Up to 1828 meters above sea level without degradation of concentration levels. From 1828 meters to 4000meters below 90% efficiency.

FEATURES

6. Sound Level: $\leq 55\text{dB(A)}$

7. Power Supply:

- AC120V $\pm 10\%$ AC220V $\pm 10\%$ AC230V $\pm 10\%$
- 50Hz 60Hz
- 4.6amps(AC120V) 2.2amps(AC220V)

8. Input Power: $\leq 600\text{VA}$

9. Weight: 26kg

10. Dimension: $44.5 \times 37.2 \times 68(\text{cm}^3)$

11. Minimum Operating Time: 30minutes

- Electric classification: II class B type.
- Work system: work continuously.
- Keep it far from flammable and explosive gas area.

IV.NORMAL WORKING CONDITION

- Temperature range: $5^\circ\text{C} \sim 40^\circ\text{C}$
- Relative humidity: $20\% \sim 60\%$
- Atmosphere pressure: $86\text{kPa} \sim 106\text{kPa}$

NOTICE: Please place the device in normal working temperature circumstance for at least 4 hours if the storage, transportation temperature beneath 5°C .

HANDLING

I . UNPACKING

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

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

II . INSPECTION

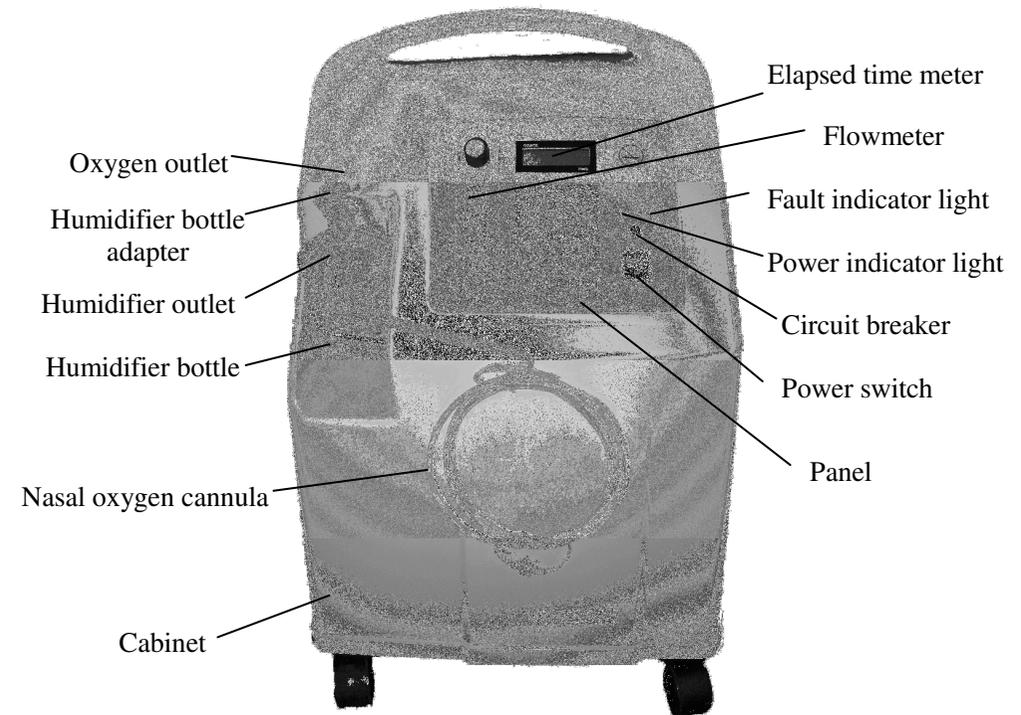
- Examine exterior of the oxygen concentrator for nicks, dents, scratches or other damages. Inspect all components.

III . STORAGE

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

OPERATING INSTRUCTIONS

I .FEATURE VIEW



II .PREPARE WORK

- Unscrew the cover of the humidifier, fill the purify water (or distilled water) into the humidifier bottle between the maximum and minimum water level lines, and then screw the humidifier bottle. (If needed, add other medicine into the water, please according to the doctor's suggestion.)
- Screw the humidifier bottle absorbing connector into the cover of the humidifier, then insert the humidifier to the elastic belt on the left side of the unit, and connect the other end of the cannula to the oxygen outlet.

OPERATING INSTRUCTIONS

- Plug in power supply.
- Press down the power switch, the concentrator works.

III.OXYGEN ABSORBING OPERATING

1. FLOWRATE

- Turn the flowmeter knob to the setting 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.

CAUTION: If the flowrate on the flowmeter ever falls below 0.5L/min, check tubing or accessories for blocked or kinked tubing or a defective humidifier bottle.

- Meanwhile, humidifier bottle will have air bubble around the sieve core. Then, oxygen comes from the humidifier outlet.
2. Connect nasal oxygen cannula to humidifier outlet, the other end match the patient.

Note: The time of absorbing oxygen and the flowrate range according to the doctor's advices.

IV.TURNING OFF

Take off nasal oxygen cannula from humidifier outlet first, close power switch, and then cut off power source.

V.SYMBOL AND SIGNIFICATION

Symbol	Signification	Symbol	Signification
~	Alternating current		Consult the manual

MAINTENANCE

I .CLEANING CABINET

Clean the cabinet at least once a month. First cut off the power supply, and then clean the cabinet with a mild household cleaner and non-abrasive cloth or sponge. Avoid seeping liquid into the crack of the cabinet.

II .CLEANING FILTER

Please clean and replace the filters in time that is very important to protect compressor and delay concentrator's life.

◆ DISASSEMBLY

- 1) The first stage mesh in filter cleans once half a month.

The first stage filter I can be taken out down from the bottom. (Located at the back of concentrator)

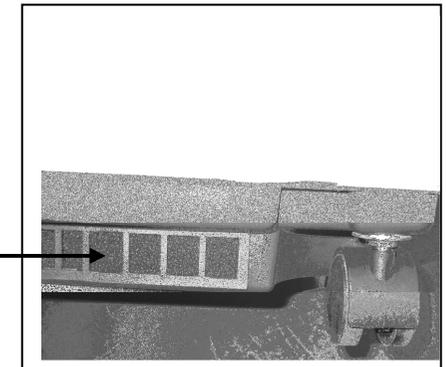


Figure 1

The first stage filter II can be taken out down by small flat-screwdriver. (Located on both sides of concentrator)

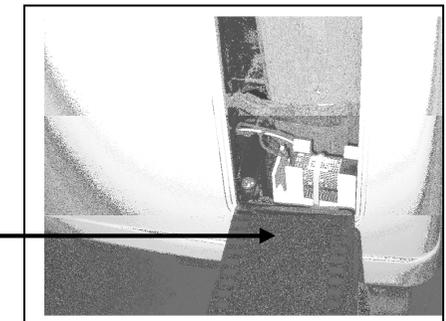


Figure 2

MAINTENANCE

2) The second stage mesh in filter cleans once a month.

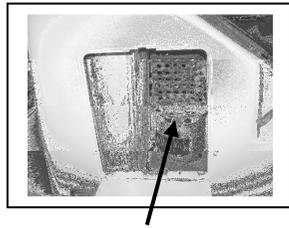
Plate groove (insert flat-screwdriver)

A. Open filter access door. (Figure 3)



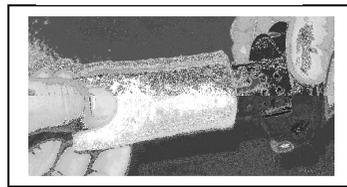
Figure 3

Figure 4



B. Unscrew the filter core.

Figure 5



C. II-stage filter mesh cleaning time depends on practically using and condition. If the filter core becomes black, please replace or clean it at once, no matter how long it used.

◆CLEANING: Clean the filter with dilute cleaner first, then rinse thoroughly. Dry the filters thoroughly before reinstallation.

III.CLEANING HUMIDIFIER BOTTLE

Change the water in humidifier bottle every day. Clean the humidifier bottle once a week with dilute cleaner, then rinse thoroughly. Pay attention to cleaning the core tube and filter core to ensure oxygen can pass through.

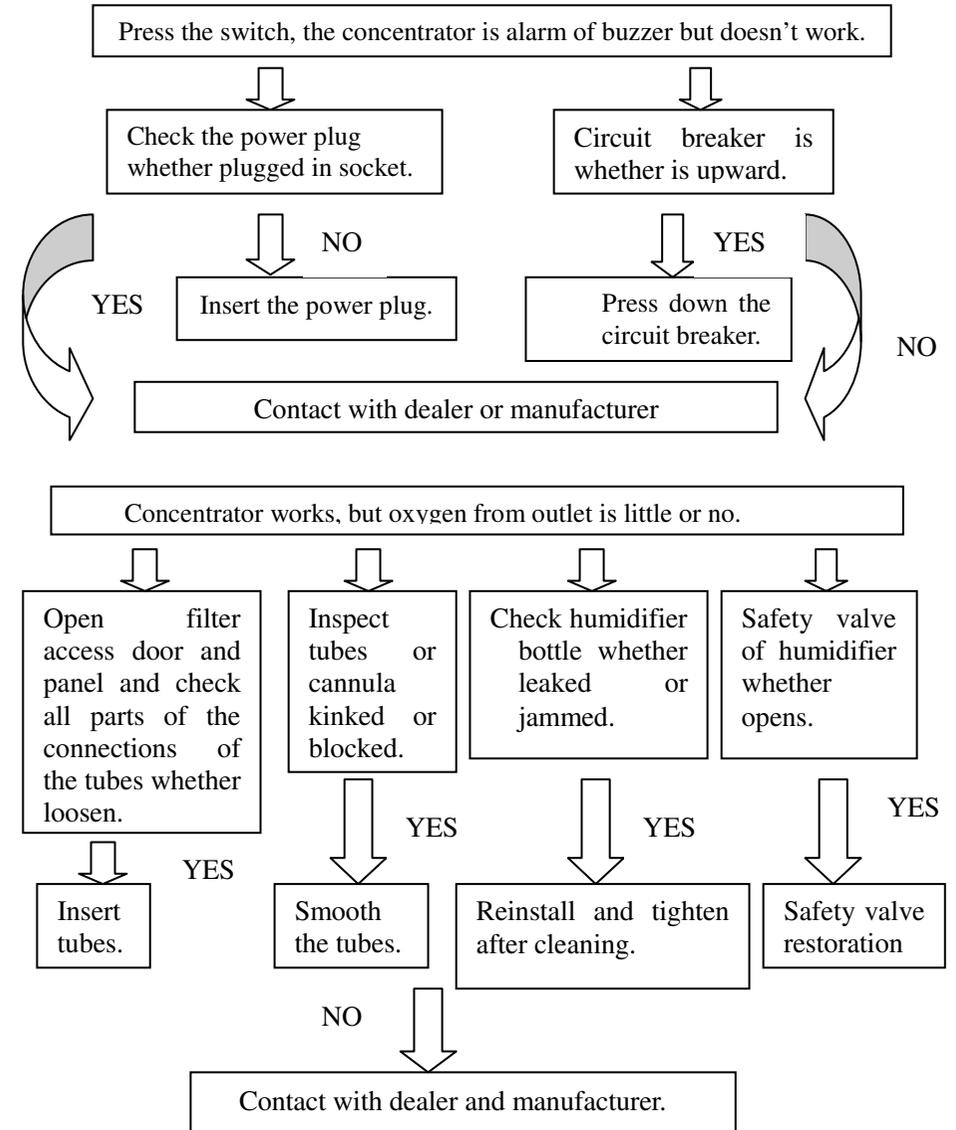
IV.REPLACE BATTERY

When the power of the battery is in shortage, alarm of the buzzer is weak, please change it immediately. Open the first stage filter II on the left of

MAINTENANCE

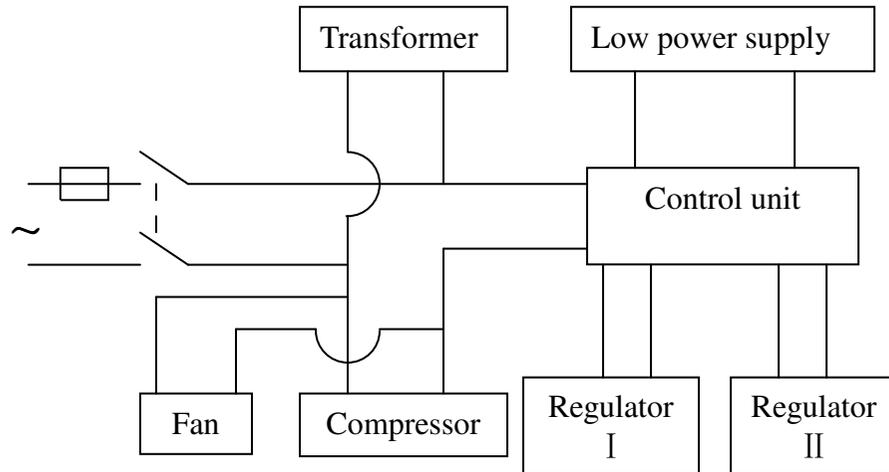
the cabinet, replace the battery. (Figure 2) (NOTICE: This device use 9v stromatolite battery. If the concentrator won't be used for a long period, please take off the battery.)

V.TROUBLESHOOTING GUIDE



OTHER ATTENTION ITEMS

III.ELECTRICAL ELEMENTS



IV.ACCESSORIES LIST

1. Nasal oxygen cannula: 1 set
2. Filter core: 1 set
3. Humidifier bottle: 1 set
4. Humidifier bottle adapter (including tube): 1 set
5. Manual: 1 piece

All specifications and product configurations are subject to change without notification

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