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Acogedor WX-YQ-02

Acogedor WX-02 Oxygen Inhaler Pressure Regulator User Manual

Model: WX-YQ-02

1. Introduction

The Acogedor WX-02 Oxygen Inhaler with Pressure Regulator is designed to provide a continuous, constant pressure and flow of oxygen. It converts high-pressure oxygen from a cylinder or central supply system to a safe, low-pressure flow suitable for inhalation. This device is essential for emergency oxygen supply and for patients requiring oxygen therapy in various settings, including scientific research institutions, industrial environments, and medical facilities.



Figure 1: Acogedor WX-02 Oxygen Inhaler with Pressure Regulator and Humidifier Bottle. This image shows the complete unit, including the pressure gauge, flow meter, flow control valve, and humidifier bottle.

2. Safety Information

Please read all safety instructions carefully before operating the device. Failure to follow these instructions may result in injury or equipment damage.

- **Medical Use Only:** This device is intended for medical use under the supervision of a qualified professional. Consult a healthcare provider for appropriate oxygen flow rates and usage instructions.
- **Fire Hazard:** Oxygen is a strong oxidizer and supports combustion. Keep the oxygen inhaler and all associated equipment away from open flames, sparks, heat sources, and flammable materials (e.g., oil, grease, alcohol). Do not smoke while using oxygen.
- **Distilled Water Only:** Use only distilled water in the humidification bottle. Do not use tap water, saline solution, or any other liquids, as this can lead to contamination or damage to the device.
- **Inspect Before Use:** Before each use, inspect the device for any signs of damage, leaks, or blockages. Do not use if

any damage is observed.

- **Proper Connection:** Ensure all connections are secure and leak-free. Overtightening can damage threads.
- **Ventilation:** Use in a well-ventilated area.
- **Storage:** Store the device in a clean, dry place, away from direct sunlight and extreme temperatures.

3. Package Contents

Verify that all items are present and undamaged upon unpacking:

- Acogedor WX-02 Oxygen Inhaler Unit (Pressure Regulator, Flow Meter, Flow Control Valve)
- Humidifier Bottle
- User Manual (this document)

4. Product Features

The Acogedor WX-02 Oxygen Inhaler is designed for reliability and ease of use:

- **Accurate Flow Control:** Provides precise oxygen flow rates for effective therapy.
- **Pressure Regulation:** Converts high-pressure oxygen to a safe, low-pressure for inhalation.
- **Durable Construction:** Made from high-quality materials for extended service life.
- **Clear Gauges:** Features a clearly visible pressure gauge and flow meter for easy monitoring.
- **Humidification:** Includes a humidifier bottle to moisten oxygen, enhancing patient comfort.
- **Versatile Application:** Suitable for use in hospital emergency rooms, wards, scientific research, and industrial settings.

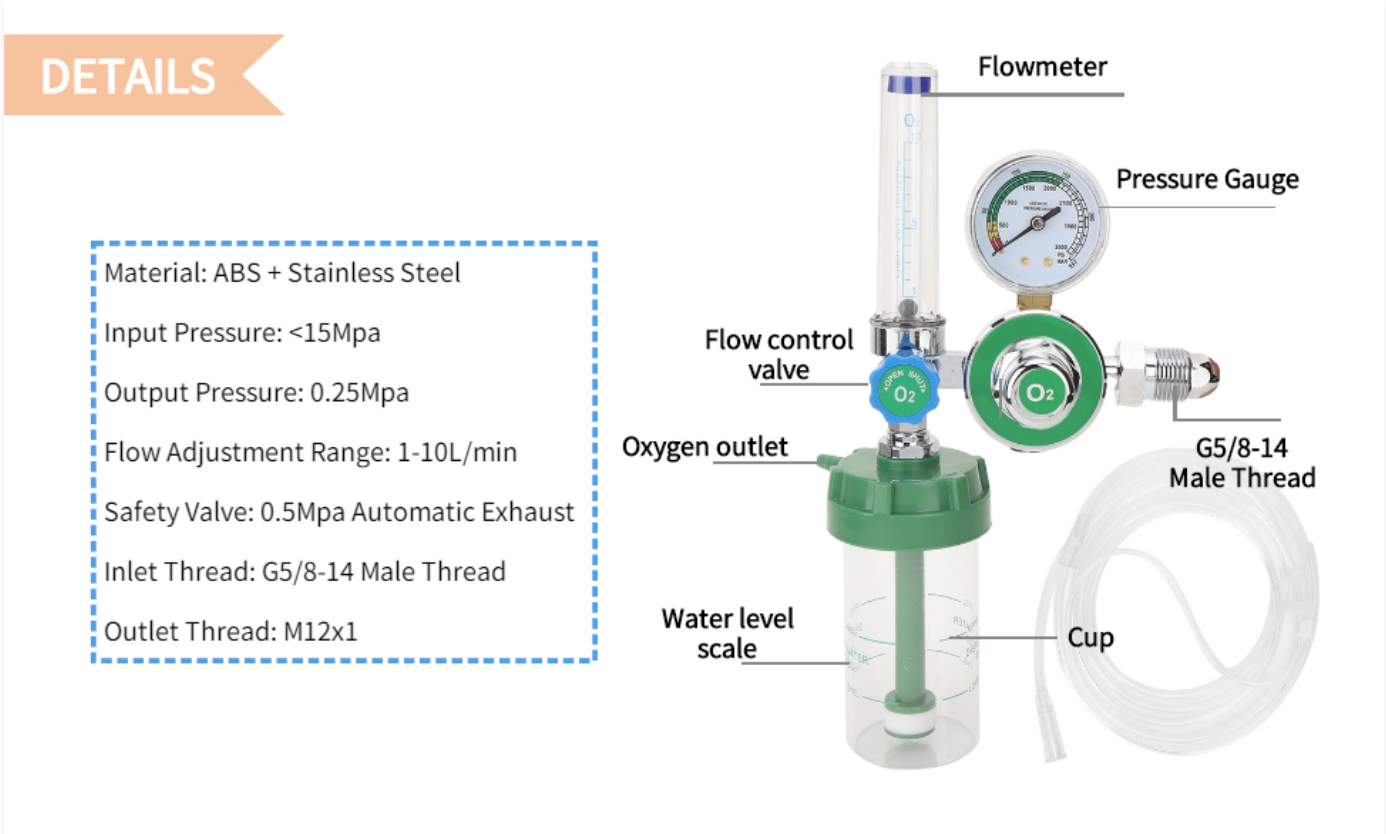


Figure 2: Detailed view of the oxygen inhaler components. This image highlights the flowmeter, pressure gauge, flow control valve, oxygen outlet, water level scale, and cup.

5. Setup Instructions

Follow these steps to set up your Acogedor WX-02 Oxygen Inhaler:

1. **Prepare Humidifier Bottle:** Unscrew the humidification bottle from the main unit. Fill the bottle with distilled water. Ensure the water level is between the indicated MIN and MAX lines. Do not overfill or underfill. Re-attach the bottle securely to the main unit, ensuring a tight seal.
2. **Close Flow Control:** Before connecting the inhaler to the oxygen supply, ensure the flow regulating switch (valve) is fully closed by turning it clockwise until it stops.
3. **Connect to Oxygen Supply:** Align the quick plug of the oxygen inhaler with the oxygen supply terminal socket. Insert the quick plug firmly into the socket. You should hear a "click" sound, and the locking sleeve of the oxygen supply terminal socket will automatically slide, indicating a secure connection.



Figure 3: Close-up of the humidifier bottle. This image shows the clear plastic bottle with markings for water levels, indicating where distilled water should be filled.

6. Operating Instructions

Once the device is set up, follow these steps for operation:

1. **Attach Oxygen Absorption Tube:** Insert the oxygen absorption tube (e.g., nasal cannula or mask tubing) into the oxygen delivery joint on the humidifier bottle.
2. **Adjust Oxygen Flow:** Slowly turn the flow regulating switch counter-clockwise to open the valve. The floating ball in the flow meter will begin to rise. Adjust the switch until the center of the floating ball aligns with the desired flow rate (measured in liters per minute, L/min) on the flow meter scale.
3. **Monitor Pressure:** Observe the pressure gauge to ensure the oxygen supply pressure is within the normal operating range.
4. **Continuous Monitoring:** During oxygen supply, periodically check the water level in the humidifier bottle. If the water level falls below the minimum line, replenish it as described in the Maintenance section.



Figure 4: Oxygen inhaler in use. This image depicts the device connected and providing oxygen to a patient via a mask, illustrating its practical application.

7. Maintenance

Proper maintenance ensures the longevity and safe operation of your oxygen inhaler:

1. **Replenishing Water:** If the water in the humidifier bottle drops below the minimum level during use, close the flow regulating switch immediately. Unscrew the humidification bottle, add distilled water to the appropriate level, and re-screw it securely before resuming oxygen supply.
2. **Cleaning and Disinfection (After Use):** When the inhaler is no longer needed, close the oxygen supply source. To remove the inhaler from the terminal socket, hold the inhaler firmly and follow the specific unlocking method for your oxygen supply terminal socket (refer to your facility's guidelines if unsure). Disassemble the humidifier bottle and clean all components with a mild disinfectant solution. Rinse thoroughly with sterile water and allow to air dry completely.
3. **Storage:** Store the cleaned and dried inhaler in a room with no corrosive gases and good ventilation. Protect it from dust and direct sunlight.

8. Troubleshooting

If you encounter issues with your oxygen inhaler, try the following:

- **No Oxygen Flow:**
  - Ensure the oxygen supply is turned on.
  - Check that the inhaler is securely connected to the oxygen supply terminal.
  - Verify the flow regulating switch is open (turned counter-clockwise).
  - Check the pressure gauge to confirm there is pressure in the oxygen supply line.
- **Oxygen Leakage:**
  - Ensure all connections (humidifier bottle, oxygen supply quick plug, oxygen absorption tube) are tight and secure.
  - Inspect O-rings and seals for damage. Replace if necessary.
- **Inaccurate Flow Reading:**
  - Ensure the flow meter is clean and free of obstructions.
  - Verify the device is held upright during operation.

If problems persist, discontinue use and contact customer support or a qualified technician.

9. Specifications



Figure 5: Inlet and Outlet Threads. This image provides a close-up view of the G5/8-14 male inlet thread and M12x1 outlet thread, crucial for proper connection.

Feature	Detail
Brand	Acogedor
Model Name	WX-YQ-02
Measuring Range	1-10 L/min
Input Thread	G5/8-14 Male Thread
Outlet Thread	M12x1
Color	Green
UPC	738681878037

Feature	Detail
GTIN	738681878037

10. Warranty and Support

For warranty information, technical support, or service inquiries, please contact Acogedor customer service through your point of purchase or visit the official Acogedor website. Please have your model number (WX-YQ-02) and purchase details ready when contacting support.

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