

Promedix PR-820

Promedix PR-820 Electric Inhaler Nebuliser User Manual

Model: PR-820

1. INTRODUCTION

The Promedix PR-820 is an electric inhaler nebuliser designed for effective respiratory therapy. This device converts liquid medication into a fine mist for inhalation, facilitating efficient delivery to the respiratory system. It is suitable for users of all ages and features a compact, lightweight design with an easy-carry handle for convenient home use. The complete nebuliser system is engineered for ease of cleaning and maintenance.

2. SAFETY INFORMATION

Please read and understand all safety instructions before operating the Promedix PR-820 nebuliser. Failure to follow these instructions may result in injury or damage to the device.

- Always place the device on a stable, flat surface during operation.
- Ensure the power cord is not damaged and is properly connected to a suitable power outlet.
- Do not immerse the main compressor unit in water or any other liquid.
- Keep the device out of reach of children and pets when not in use.
- Use only medications prescribed by a healthcare professional with this device.
- Unplug the device from the power outlet before cleaning or when not in use.
- Do not block the air vents on the compressor unit during operation.
- If the device malfunctions or makes unusual noises, discontinue use immediately and consult the troubleshooting section or contact customer support.

3. PACKAGE CONTENTS

Carefully unpack the Promedix PR-820 nebuliser and verify that all components are present and undamaged. If any items are missing or damaged, contact your retailer.

- Promedix PR-820 Compressor Unit
- Nebuliser Cup (Medication Chamber)

- Air Tube
- Mouthpiece
- Adult Mask
- Child Mask
- Air Filters (Spare)



Image 3.1: All components included with the Promedix PR-820 nebuliser.

4. SETUP

Follow these steps to set up your Promedix PR-820 nebuliser for first use.

1. **Place the Compressor Unit:** Position the Promedix PR-820 compressor unit on a clean, stable, and flat surface. Ensure there is adequate ventilation around the unit.
2. **Connect the Air Tube:** Firmly connect one end of the air tube to the air outlet connector on the compressor unit.
3. **Prepare the Nebuliser Cup:** Open the nebuliser cup and pour the prescribed amount of medication into the

medication chamber. Do not overfill. Securely close the nebuliser cup.

4. **Attach the Nebuliser Cup to Air Tube:** Connect the other end of the air tube to the bottom connector of the nebuliser cup.
5. **Attach Mouthpiece or Mask:** Attach either the mouthpiece or the appropriate size mask (adult or child) to the top of the nebuliser cup.



Image 4.1: Promedix PR-820 compressor unit with power switch.





Image 4.2: Nebuliser cup with mouthpiece attachment.



Image 4.3: Adult and child masks for inhalation.

5. OPERATING INSTRUCTIONS

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

1. **Connect to Power:** Plug the power cord into a standard electrical outlet (AC 230V/50Hz).
2. **Start Nebulisation:** Flip the power switch on the compressor unit to the 'ON' position. The unit will start, and a fine mist should begin to emerge from the mouthpiece or mask.
3. **Inhale Medication:** If using the mouthpiece, place it between your teeth and seal your lips around it. If using a mask, place it over your nose and mouth, ensuring a snug fit. Breathe normally and deeply until the medication is fully nebulised (typically 5-15 minutes, or as advised by your doctor).
4. **End Treatment:** Once the medication is depleted and mist production stops, turn the power switch to the 'OFF' position.
5. **Disconnect Power:** Unplug the device from the electrical outlet.

Note: The device is designed for a maximum continuous operation time of 30 minutes. Allow a cool-down period if multiple treatments are required.

6. MAINTENANCE AND CLEANING

Regular cleaning and maintenance are crucial for the hygienic and efficient operation of your Promedix PR-820 nebuliser.

6.1 Daily Cleaning (After Each Use)

1. Disconnect the air tube, nebuliser cup, mouthpiece/mask from the compressor unit.
2. Disassemble the nebuliser cup into its individual parts.
3. Wash all disassembled parts (nebuliser cup, mouthpiece, masks) with warm water and a mild detergent.
4. Rinse thoroughly under running water to remove all soap residue.

5. Allow all parts to air dry completely on a clean cloth or paper towel.

6.2 Disinfection (Once a Week or as Needed)

1. After daily cleaning, soak the disassembled nebuliser cup, mouthpiece, and masks in a solution of one part white vinegar to two parts distilled water for 30 minutes. Alternatively, use a commercially available medical disinfectant solution as per its instructions.
2. Rinse all parts thoroughly with sterile water or distilled water.
3. Allow all parts to air dry completely before reassembling or storing.

6.3 Compressor Unit Cleaning

- Wipe the exterior of the compressor unit with a clean, damp cloth. Do not use abrasive cleaners or immerse the unit in water.
- Ensure the air filter area is clean and free of dust.

6.4 Air Filter Replacement

- The air filter should be checked regularly and replaced every 30 days or sooner if it appears discolored or clogged.
- Locate the air filter cap on the compressor unit, remove it, and replace the old filter with a new one.
- Only use Promedix approved replacement filters.

7. TROUBLESHOOTING

If you encounter issues with your Promedix PR-820, refer to the following troubleshooting guide.

Problem	Possible Cause	Solution
Device does not turn on.	Power cord not properly connected. No power from outlet. Power switch is off.	Ensure power cord is securely plugged into both the device and the wall outlet. Test the outlet with another appliance. Flip the power switch to the 'ON' position.
No mist or weak mist production.	Nebuliser cup empty or insufficient medication. Air tube kinked or disconnected. Air filter clogged. Nebuliser cup parts incorrectly assembled.	Add prescribed medication to the nebuliser cup. Check and straighten the air tube; ensure secure connections. Replace the air filter (refer to Section 6.4). Disassemble and reassemble the nebuliser cup correctly.
Device is unusually noisy.	Device not on a flat surface. Air filter clogged.	Place the device on a stable, flat surface. Replace the air filter if it is dirty.
Medication leaks from nebuliser cup.	Nebuliser cup not properly sealed. Overfilled medication.	Ensure all parts of the nebuliser cup are securely tightened. Do not exceed the maximum fill line for medication.

8. SPECIFICATIONS

Technical specifications for the Promedix PR-820 Electric Inhaler Nebuliser:

- **Model:** PR-820
- **Power Supply:** AC 230 V / 50 Hz
- **Compressor Pressure:** >10 PSI
- **Flow Rate:** 8 l/min (during operation)
- **Noise Level:** <60 dB
- **Weight:** 2.1 kg
- **Dimensions (L x W x H):** 31 x 21 x 14 cm
- **Safety Class:** UL547 Class B
- **Continuous Operation Time:** Max. 30 min.
- **Operating Temperature:** 10°C to 40°C
- **Voltage:** 230 Volts
- **Power Consumption:** 65 Watts
- **Maximum Pressure:** 3.5 Bars

9. WARRANTY AND SUPPORT

For warranty information, please refer to the documentation provided at the time of purchase. If you require technical assistance, replacement parts, or have questions not covered in this manual, please contact Promedix customer support through your retailer or the official Promedix website.