

FAULTS AND TROUBLESHOOTING

Faults	Reason	Troubleshooting
Indicating Lamp not lighting up	1. External power supply is in poor contact or no electricity 2. Timer is in "OFF" position or damaged	Inspect external power supply and Timer
Mist volume is decreased obviously	1) Medication over 2) Mist volume control on low	Use sufficient medicine and regulate mist volume control

SPECIFICATIONS

Voltage	AC220V +/- 10% 50Hz
Power Consumption	<55W
Ultrasonic Frequency	1.7MHz
Particle Size	1 - 5um
Max. Nebulization Rate	>5ml/Min
Timer	0 - 30 Min
Medical Cup Volume	80ml
Noise	<50db
Dimension	280x150x230mm ³
Net Weight	2.7Kg

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bringing good Healthcare

PHC 2004UN

Ultrasonic Nebulizer

Suitable for both, hospital and home use

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- » Ultrasonic Technology
- » Finer soft mist for comfortable inhalation
- » 100% more effective than conventional methods
- » Recommended by Doctors and Pharmacists
- » Easy handling and storage

I. INTRODUCTION

Thank you for buying the PROTON Medical Ultrasonic Nebulizer PHC 2004UN. PROTON PHC 2004UN is a clear example of technological excellence with simplicity resulting from the continuous efforts of innovation through science and technology.

PROTON PHC 2004UN has been selected and awarded the prize for its excellent scientific and technological results. The product has received favorable opinions from customers worldwide for its reliable quality and simple and sturdy design. It is good for hospitals, clinics and for homes.

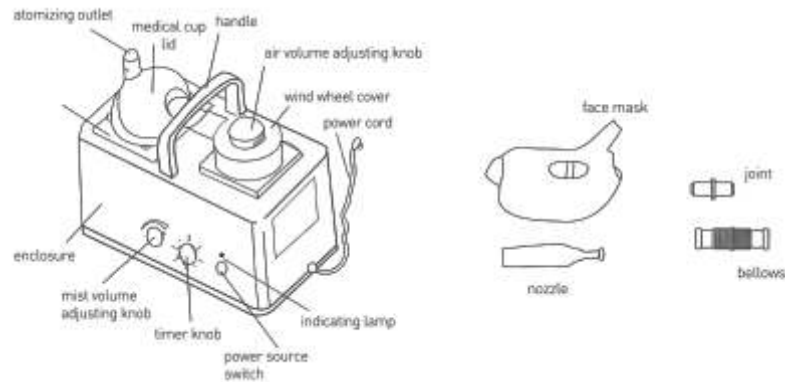
Hospital and Clinic set-ups have used the PROTON PHC 2004UN in emergency units, internal medicine, post surgery, otolaryngology, pediatrics, emphyrosis and the curative effect is more evident for respiratory tract disease.

The following features describe the PROTON PHC 2004UN Medical Ultrasonic Nebulizer in detail:

- 1) Finer mist and controlled delivery volume: 5-7ml/min.
- 2) Stable Design: The circuit structure design is made with scientific ergonomics and simplicity. The unit adopts high quality ABS plastic enclosure and strict quality controlled components. All under efficient process control to create the final product.
- 3) Complete and Optimum Performance: The unit has separate controls for the mist volume adjustment and the timer helps to select the required nebulization time.
- 4) Easy to use, operate and maintain.

II. GET TO KNOW YOUR PHC2004-UN

Structural Schematic Diagram and Parts



III. OPERATING INSTRUCTIONS

- 1) Before starting to use the Nebulizer, check and ensure the Power Source Switch and the Timer is in "OFF" position. Turn the Mist Volume Adjusting knob anticlockwise to minimum.
- 2) Turn the Medical Cup Lid anticlockwise, about half a centimeter to remove and then pour clean water (about 500ml) into Trough to reach the specified water level (the Bobber now rises and floats to the top).
- 3) Inspect and ensure the Medical Cup has no leakage, and infuse liquid medicine that has been prescribed by your doctor into Medical Cup. Now place the Medical Cup into trough.
- 4) Fix back the Medical Cup Lid back into the old position. Now connect the Nozzle and Bellows. Select the optional inhalation accessory from Mask, Nose Piece or Mouth Piece.
- 5) Now switch on the power supply with power source switch "ON" (upward). Set the Timer for the required preset time. The nebulization start indicating Lamp comes on and the mist volume and air volume can now be regulated according to the adaptability of the user.

- 6) When the preset time is reached, the Timer return to the "OFF" (turn off) position, and the instrument stops working and the Nebulization Indicating lamp goes off. While not using the timer, the nebulization will stop once the medication is over in the medical cup. The unit should be turned off at this moment.
- 7) After completion of use, switch off power supply, detach the power cord, draw out the medical cup and disinfect and clean the unit and the accessories.

IV. CLEANING AND MAINTENANCE

Be sure the unit is OFF and the power cord is disconnected before cleaning.

- 1) Disconnect all accessories and remove the medical cup and clean the medical cup by first washing in clean water. If dried medication is found in the medical cup, pour a mixture of one part vinegar and three parts distilled water into the medical cup. Now nebulize this mixture for about one to two minutes. This will help to keep the medical cup clean.
- 2) There are several ways to clean the accessories.

- A) Soak the parts in a mixture of one part vinegar and three parts distilled water for 30 minutes.
- B) Use a commercially available disinfectant.
- C) All parts must be rinsed thoroughly and air dried.
- D) Clean the main unit casing using a cloth moistened with water and a few drops of non-abrasive cleanser. Wipe dry with a soft cloth.
- E) NEVER clean with benzene, thinner or a flammable chemical.

V. CAUTIONS AND WARNINGS

When using electrical products, especially when children are present, basic safety precautions should always be followed.

Additionally read all instructions before use.

DANGER - to reduce risk of any electrical shocks:

- 1) Always unplug your Nebulizer immediately after use.
- 2) Do not use this product while in the bath or next to a swimming pool or water sports.
- 3) Do not place or store this product in a place where it can fall or be pulled into a tub or sink.
- 4) Do not try to remove or touch the unit if it falls into water while using. First unplug the unit.
- 5) The unit should not be left unattended when plugged in.
- 6) Close supervision is recommended when the product is being used by children or people who require assistance.
- 7) Use the Nebulizer only as prescribed by your doctor and follow the operating instructions strictly.
- 8) Never operate the unit if it s damaged. Check with your local dealer and service agent for support.
- 9) Do not use the Nebulizer while sleeping or feeling drowsy.
- 10) Do not use the Nebulizer where other aerosol products are being used or where oxygen is being administered.
- 11) Unplug the unit before filling water and do not over fill the trough.

VI. SAVE THESE INSTRUCTIONS

CAUTION: Operate this unit by following the instructions of your health care provider. Make sure you have read the instruction contained in this manual before operating. Now save these instructions for your future reference.