

# JIEXI

## ULTRASONIC NEBULIZER

### Model : KCW-2T. 2TYD

## USER GUIDE

KCW-2T.2TYD ultrasonic nebulizer atomizes the medicinal solution under a strong directional ultrasonic pressure generated by the ultrasonic wave in the solution. The medicinal mist will be absorbed directly into the patient's focus. It is pain-free, convenient and has excellent curative effect, which makes it a kind of innovative healthcare and curing equipment feeding medicine with a new method. It is widely used in curing diseases of respiration system, such as cold, fever, bronchitis, asthma, pneumonia, pneumonic mycosis and pulmonary heart disease. It can also be used to cure occupational disease in respiration system; give throat care to the artists, cure ENT (ear, nose, throat) diseases like chronic allergic rhinitis, acute laryngitis, acute pharyngitis, acute tonsillitis, apply medicine on surgical cuts and provide moisture on skin, etc.

\*The above-mentioned applicable range is only for reference. Please follow your doctor's advice.

We have the certificate of ISO9001/ ISO13485 International Standard Quality System for medical treatment equipment. We have absorbed the innovations in product development by many manufacturers famous at home and abroad over the 30 years. With 30 years of

experience, we select high-tech and reliable raw materials and components to develop advanced ultrasonic nebulizers. Our products bear such features and functions: the main parts of the equipment are imported and upgraded with our innovation in product development; mist amount is adequate; air, mist and power supply are separated individually; the patented ultra-atomization property can atomize the medicine liquid and generate a fine spray which can produce a better clinic effect; multi-measure self-protecting functions can automatically give the product necessary maintenance.

Product Maintenance: easy to disassemble, install and maintain. Repairs can be handled without technology support. (The inner structures of the equipment are all connected with connectors with locking function, so it is convenient to maintain and repair.) The equipment has extra-duration, luxurious & unique look whilst it is convenient, safe and comfortable to use. The products passed European Union CE, US FCC accreditations and sell well in more than thirty countries and regions.

Main specifications:

Rated power supply: AC: 110V/220V/ 50Hz/60Hz

Input power:  $\leq$  35VA

Working noise: $\leq$  50db (A)

Capacity of medicine cup:50ml

Nebulizing amount:  $\geq$ 3ml/min

Time setting:2TYD Electronical 59min

Electronic component classification: model B classified in II

Automatic protection for water shortage

The operation instructions are as follows:

1 Preparations:

- 1.1 Check the components of this equipment. If it is your first time to use this nebulizer, please read the packing list and check if all parts are included. Please contact our sales agent with any questions. Please check the components to ensure everything is right for the next use and replace the damaged component in time. Please make sure that the components have been sterilized before use.
- 1.2 Make sure that the equipment is in right condition. If there is no mark on it or anything wrong, please contact the keepers. If necessary, please check the using and maintenance records.
- 1.3 Choose right power supply and plug in the right power outlet.
- 2 Infuse or change cooled water in water tank:
  - 2.1 Infuse cooled water: take out the medicine cup , add clean water into the water tank,
  - 2.2 Change cooled water: please change cooled water regularly to keep the equipment clean and the water at right temperature. You are advised to change the cooled water after every use so that water can be kept cooled and the furring can be removed easily. This method can help to prolong the working life of the transducer (wafer). When changing the water, you can take off the top lid directly, let out the water and add in fresh water.
- 3 Adjusting the amount of nebulizing:
  - 3.1 Adjust the amount of nebulizing for model KCW-2T: Turn (clockwise) knob to adjust the nebulizing amount. Power lamp indicator is on . When the whole equipment is on power, the water level lamp indicator will light, the water tank will be filled with mist and the equipment will work properly. By adjusting the knob,

nebulizing amount should vary noticeably and the knob should be switched to the lowest or the stop mode.

3.2 Adjust nebulizing amount for model KCW-2TYD Turn on the switch on the power cord or the plug. The screen of LCD will light and show the nebulizing amount When the computer is started, the nebulizing amount is set by default at about 70% but the percentage can be changed by a press on the “up” or “down” button. (When the time-setting indicators light on, only time can be set. Press the setting button to turn on or turn off the indicators)

4 Select components and instructions:

Treatment through pharynx and larynx: please use the spray nozzle, open your mouth, put in the spray nozzle and close up your lips slightly. Treatment through nasal cavity: please use the face mask, keep the face mask gently on your face or use an elastic band to fix it.

- Adjust and choose a comfortable output. The output should be kept in a low level in inhaling treatment because active inhaling is recommended here. Inhale adequate dose needed in the treatment for a particular focus.
- If the focus is in the windpipe or the lung, slow inhaling can produce a better curing effect.

5 Adjust the output:

Adjust the output to actual needs. The output should not be excessive. If the spray nozzle is used, the output is considered adequate as well as the spray can come out normally. Otherwise, excessive output is a waste of medicine and the expected curing effect cannot be achieved. Moreover it may cause discomfort to the organs or cause convulsion. The output should be controlled during

inhaling treatment. Comfortable output should be tried out before regular use. Please follow and repeat the above steps if the output needs to be adjusted afterwards.

## 5 Repair & Maintenance:

6.1 Maintenance for the medicine cup: when sterilizing or washing the medicine cup (nebulizing tube), please separate the front part of the medicine cup (nebulizing tube) and the cup base. Sterilize the cup lid, cup body, cup base, bottom film and sealing circle separately and thoroughly. When installing the cup, keep the sealing circle close to the cup base, put the bottom film on the circle and fasten the cup base tight with the cup body. If you use the whole medicine cup, please soak the cup completely. If it is a disposable medicine cup, it is not necessary to sterilize.

6.2 Maintenance for the spray nozzle and the face mask: corrugated pipe can be sterilized by soaking. Make sure that all the nebulizer components should not be sterilized under high temperature.

6.3 Maintenance for the output system: take off the cover of the wind engine, clean up dust and reinstall.

6.4 Both interior and exterior of the equipment should be checked by technical professionals every half a year.

## 7 Note:

7.1 When unpacking, please read the packing list and check if all parts are included. Please contact our sales agent with any questions.

7.2 When using the equipment, please keep the wafer in water tank cool and the surface of transducer (wafer) clean. Do not use hard objects to scrub the

transducer (wafer) to avoid possible damage.

7.3 It is normal that the casing is heated to 40 °C . The set-in automatic temperature-controlled unit can keep the surface temperature at 40°C , which can effectively prevent the patient's organ from convulsion due to exposure to cold air.

7.4 The medicine liquid must be free from viscous and greasy matters.

### **Gift : ultrasonic humidifier Function**

Model KCW-2TYD

Cool mist relief from dry air This compact humidifier offers the same plume of cool moisture as a full-sized humidifier-in a fraction of the space!

Vapor Therapy for Healthful Living. When your body does not have sufficient moisture, it functions poorly. Dry, arid, climate conditions are usually the culprit. Colds and Flu can further cause dehydration.

- Office: Relief from stale, dry air.
- Dorm Room: Compact enough to fit anywhere.
- Kid's Room: Easier breathing for a good night's sleep.
- Travel: Lightweight and small enough to pack easily.
- Keeps your respiratory system moist, allowing it to fight off pollutants.
- Relieves symptoms of hay fever.
- Helps you sleep and breathe more comfortably.
- Directional mist outlet
- Removable water tank 、 Portable、 Powerful、 Compact 、 Convenient、 Easy to operate 、

- 1/3 gallon capacity
- Power indicator
- Full-power motor base