



COMFORTABLE LIFE STARTS WITH COMFORTABLE MESSAGE



QT1001

MANUAL OF PNEUMATIC
LATTICE WAVE MASSAGER

Shock wave massager

Dear user!

Thank you for choosing the instrument carefully designed and manufactured by our company. In order to better play the function of the product, we sincerely suggest:

1. Before using the instrument, please read this manual carefully and keep it properly for future reference;
2. Please use and operate correctly according to the requirements in the manual;
3. Do not disassemble or modify any parts of this machine;
4. Except for the authorized personnel of the company, it is strictly forbidden to open the machine cover and host;
5. Non-professional personnel are prohibited from carrying out maintenance and transformation without authorization;
6. If there is any fault during operation, please contact us.



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1. Overview of pneumatic massager

1.1 QT1001 Product parameters



Note: The transparent air filter at the back of the instrument should be pressed upward to drain the water.



Product name: ballistic shock wave massager	Model: QT1001
Color: white/blue	Voltage: AC110V/AC220V
Power: 350W MAX	Current: 5A Max
Working frequency: 1-22Hz	Working strength: 0.5-10.0Bar
Working times: 500-3000 times	Working probe: 5
Instrument size: 395x408x210mm	Package size: 510x485x360mm
Net weight: 17kg	Gross weight: 18.89kg

1.2 Overview of Pneumatic Impact Massage Apparatus

Aerodynamic shock wave is a mechanical impulse strong wave transmitted through a physical mechanism medium (air or gas), which is converted into an accurate ballistic shock wave through the pulse wave generated by aerodynamic principles. Using a unique conditioning mode and work head can improve the dysfunction of the areas affected by pain points and decompose accumulated metabolites.

1.3 Basic operation of shock wave massager

1.3.1 Instrument connection

- (1) Check with the packing list whether the machine accessories are complete and intact (main engine, working handle, power cord, working head).
- (2) The parts are arranged, and the multi-core plug at the end of the electromagnetic dot-matrix massager handle connection line is inserted into the OUT jack on the front of the host device. To avoid permanent damage to the device, align the positioning convex point of the multi core plug with the concave point of the multi core socket.
- (3) Plug the host power cord into the power socket at the back of the host device.
- (4) Select the required working head, hold the handle with one hand, unscrew the working head from the handle with the other hand in the (counterclockwise) direction, and then unscrew the required working head in the opposite direction.



be careful:

You must plug in the handle before you can operate the touch panel

Do not directly unplug the OUT socket when the massage handle has been turned on

Turn off the power and wait for about 15 seconds before pulling out the OUT handle.

1.3.2 Introduction to password protection settings

After the instrument is powered on, it enters the startup preparation state, and the initial password is 23456; In this interface state, press and hold the handle switch to display the password reset interface.

1.3.3 Language setting

QT1001 supports 10 languages: Simplified Chinese, traditional Chinese, English, Spanish, Korean, French, German, Russian, Portuguese, Vietnamese;

1.3.4 Parameter setting

- (1) Touch to enter the function selection interface and select the corresponding part mode.
- (2) Set the appropriate working frequency.

1.3.5 Operation mode

- (1) Clean the skin of the massage area.
- (2) Select the appropriate working head according to the nursing position.
- (3) Apply gel evenly to the massage area.
- (4) During the operation, the operator can hold the handle with one hand and put the working head on the nursing part. Because the handle itself has a fixed weight, there is generally no need to apply external force during the nursing process.
- (5) After the treatment, wipe the residue on the skin with a hot towel, and clean the working head with a wet towel.

1.3.6 Half-way stop

- (1) Press the "Start/Stop" key on the main screen to interrupt the operation;
- (2) It can also be closed by pressing the joystick key.

1.4 Method of Replacement Bullet



1. twist the work head from the front of the working handle.

2. With the working handle facing down, hitting the working handle and the bullet will come out.

3. Put the new bullet into the working handle, and then tighten the working handle.

2. Operation suggestions for pneumatic massager

2.1 Operation positioning

- (1) Location of pain points: find the pain points by pressing. The pain points usually mean local soft tissue damage or soft tissue adhesion. It is necessary to use the dot-matrix wave physiotherapy instrument to treat these pain points.
- (2) Related muscle starting and ending points: For patients with soft tissue tension or muscle spasm, if they are directly in the middle of the pain point or at the muscle belly, physical therapy may cause more injury or spasm. At this time, they can choose to hit both ends, so as to relieve the tension of soft tissue.
- (3) Touch location: There are cords or knots in some parts, which can also be used as physical therapy points. These parts indicate that there is muscle spasm and adhesion inside, and generally there are also some symptoms of pain.
- (4) Destructive localization of joint capsule: For example, patients with osteonecrosis of the femoral head can carry out intensive blows in the projection area of the joint capsule body surface, use the human body repair mechanism to reconstruct the regional circulation and increase the supply of nutrition.

2.2 Taboo of shock wave massager

- (1) Patients with heart disease, cardiac pacemaker and hypertension;
- (2) People with acute inflammation, deep venous thrombosis, goiter, asthma, tumor and other diseases;
- (3) people with vascular rupture and bleeding, trauma, and bleeding wounds;
- (4) Pregnant women;
- (5) Areas with artificial fillers after cosmetic surgery;
- (6) People with metal materials in the human body (including metal teeth)
- (7) People with skin inflammation and body swelling;
- (8) Abnormal immune system function;
- (9) People who feel numb and unresponsive to heat;
- (10) It is not supported to use near some tissues, such as eyes and surrounding areas, myocardium, spinal cord, renal medulla and liver;
- (11) People who have blood diseases, coagulation problems or use anticoagulants;
- (12) Polyps near the nursing site;
- (13) Thrombosis patients, tumor patients, polyneuropathy patients
- (14) Growing children with cartilage;
- (15) Corticosteroid treatment site;
- (16) It is not supported to use at parts or organs containing large amounts of gas in the human body;
- (17) It is not supported to use in places with a large number of nerves, blood vessels, spinal cord and near the head.

2.3 Matters needing attention

2.3.1 Precautions for use

- (1) Due to the weight and design of the working head, the internal resistance is very high, and the continuous vibration may cause the user's hand tension;
- (2) To avoid heat accumulation in the heat sink, do not cover the heat sink with hands or objects;
- (3) The bullet body is consumable and must be replaced after hitting for a certain time;
- (4) In case of special circumstances or accidents, please stop using immediately and consult professionals;
- (5) In case of any of the following abnormal conditions during use, immediately turn off the power supply and stop using;
 - Water and foreign matters enter the body;
 - Abnormal heating and leakage of the body, power line, accessory line and plug;
 - Abnormal sound;
 - There is abnormal smell and smoke;
 - Any accessory is damaged;
 - Thunder, earthquake and other natural disasters occur suddenly;
- (6) After use, cut off the power supply, and unplug the plug from the power socket when not in use;
- (7) Please take good care of it. The power cord and accessory cord should be carefully checked before each use. If there is any sign of damage, they should be stopped and replaced with new parts;
- (8) The medical equipment or household appliances close to the instrument may cause operation failure due to interference;
- (9) It is forbidden to use the dot matrix massager in the following environments: high-temperature and humid environment, dusty environment, oil fume or water vapor environment;
- (10) In case of failure in use, the power supply should be turned off immediately and must be removed, repaired or sent to the dealer by professional personnel
The manufacturer shall not repair by itself;
- (11) Exemption from liability
The Company will not be responsible for any of the following circumstances:
 - Because of fire, earthquake, war and other irresistible circumstances;
 - Due to user's fault and wrong operation;
 - Damage caused by using methods other than this manual;

- (12) When the instrument is used, do not close to the wall, and keep a space of 30cm around the instrument for heat dissipation;
- (13) This instrument is a massage instrument, not a medical device.

2.3.2 Possible side effects

- (1) The nursing site may have congestion or feel swelling;
- (2) The skin at the nursing place may feel itchy or temporarily numb;
- (3) The dot-matrix massage instrument nursing has certain damage to the skin after hormone treatment;
- (4) The dot-matrix massage instrument may cause the heart to temporarily beat abnormally.

2.4 Application suggestions

2.4.1 Application of physiotherapy suggestions

Apply physical therapy advice				
Region	Hit Count	Working hours	Total hits	Interval time
Elbow	2,000-2,500	3-5Minutes	6,000-12,500	5-7days
Hand/wrist	2,000	3-5Minutes	6,000-10,000	5-7days
Pubic symphysis	2,000-2,500	5Minutes	6,000-12,500	1day
Knee	2,000	3-5Minutes	6,000-10,000	5-7days
Feet/ankles	1,000	3-5Minutes	30,00-5,000	1day
Shoulder	2,000-2,500	3-5Minutes	6,000-12,500	5-7days
Lumbar Vertebra	2,000-2,500	3-5Minutes	6,000-12,500	5-7days
Fat Accumulation	2,000-2,500	5Minutes	6,000-12,500	5-7days
Buttocks	2,000-2,500	5Minutes	6,000-12,500	5-7days

2.4.2 ED physiotherapy

- (1) The frequency of ED physiotherapy is 1-10Hz, and the recommended frequency is 3-8Hz.
- (2) Ask the customer to adjust the energy according to the requirements.
- (3) Operate from low to high.

2.5 Maintenance of shock wave massager

2.5.1 Inspection before use

Before using the dot-matrix wave physiotherapy instrument, the following checks should be carried out:

- Check for any mechanical damage;
- Check all exposed wires, inserted parts and accessories;
- Check the functions of all instruments that may be used for human body and ensure that the instrument is in good working condition.

2.5.2 Maintenance of dot matrix massage instrument

(1) The dot-matrix wave physiotherapy instrument is a general mechanical and electronic product with a service life of 3 years under normal working conditions (the warranty period is 1 year);

(2) The user should wipe and clean the dust on the surface of the physiotherapy instrument at least once a week. When wiping, clean it with a clean rag or soft brush. It is forbidden to use alcohol, gasoline or other cleaning agents to wipe the host and the handle of the physiotherapy. It is forbidden to let liquid flow into the interior of the physiotherapy instrument;

(3) Frequent maintenance of the working head and accessories can improve its service life. It is recommended to maintain it every other month;

(4) When the physiotherapy instrument breaks down, it should be stopped in time and repaired by professional maintenance personnel to prevent the expansion of the fault and the occurrence of safety accidents.

2.5.3 Maintenance method of the body and handle of the pneumatic dot matrix massager

(1) Under normal use conditions, the replacement cycle of the warhead kit is 2.5 million times. If it is not replaced in time, it may cause product defects. The method is as follows: unscrew the working head at the front of the operating handle, place the operating handle downward on the desktop, knock down slightly to drop the bullet body, put the new bullet body into the operating handle, and then twist the working head to complete the replacement.

(2) During the maintenance of the handle, drop 2 drops of clean lubricating oil into the middle body guide at the front of the operating handle and keep the handle upward for 3 minutes.

▲ **Remarks:** When replacing the cartridge body or maintaining the operating handle, the power must be cut off before the operating handle is pulled out.

2.5.4 Special storage and transportation conditions and methods

- Ambient temperature: -10°C -55°C , relative humidity ≤ 85%.
- Atmospheric pressure: normal indoor full pressure environment.
- Packing requirements: shock-proof materials and moisture-proof plastic bags.
- Handling requirements: Pay attention to light handling, do not roll the box.
- Transportation requirements: Prevent electromagnetic lattice wave squeezing, moisture, violent vibration.
- Storage requirements: When the instrument is not used for a long time, it should be packed and stored in a cool, dry, well-ventilated room without corrosive gases.

2.5.5 Fault diagnosis (for reference only)

Failure phenomenon	Cause of failure	Method of elimination
Turn on the main powerswitch, the display screen is not bright, physical therapy in-strument no response	Poor contact of power cord and plug	Check whether the power cord, plug, etc. are plugged in
Turn on the power pressure pump operation, but the pressure does not rise or rise slowly	Air Pump air filter dirty or blocked	Drain the air and moisture from the Air Valve
Working head makes abnormal noise or does not run	1. The working head is damaged 2. Warhead Jammed Replacement Kit 3. Damage or wear of ballistictubes and warhead assemblies	Replacement of work head or warhead kit
Display mode or display random code	Power supply voltage instability or strong electromagnetic interference	Check the power supply, if necessary, take voltage-stabilizing measures, away from strong electromagnetic radiation



Warning: except for medical device manufacturers and after-sales service centers, users are advised not to dismantle and modify the physiotherapy equipment by themselves. This will cause abnormal operation of the physiotherapy equipment, resulting in accidents and injuries. If there is a need for maintenance, the manufacturer may be requested to provide the circuit diagram, list of components, drawings, notes, calibration details, or other information necessary to assist the user's qualified technical personnel in repairing the repairable parts of the equipment designated by the manufacturer, and under the guidance of the manufacturer for maintenance.

3. After-sales service

3.1 Free service scope

All equipment within the scope of the company's warranty service conditions can enjoy free service.

3.2 Scope of charging service

(1) For equipment beyond the scope of the company's warranty service conditions, the company will implement charging service

(2) During the warranty period, the product needs to be repaired due to the following reasons: artificial damage, grid voltage exceeding the specified range of equipment, irresistible natural disasters, etc.

The company is hereby not responsible for direct, indirect or final damage or delay caused by the following circumstances (including but not limited to): improper use, replacement of accessories without the company's permission, or maintenance of the machine by personnel not authorized by the company.

Note: The contents of this manual are for reference only. The final resolution and modification rights of the contents belong to the manufacturer.

