



## USER MANUAL

*bai shan en* Automatic intelligent A, B, C, D series urination devices

BSN-001 >



A



BSN-001 <

BSN-002



B

C



BSN-003

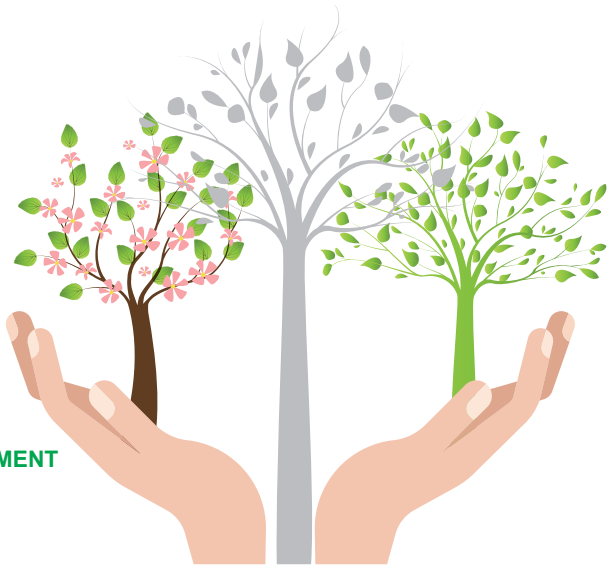
BSN-004



D



REDUCE NURSING BURDEN AND  
IMPROVE REHABILITATION ENVIRONMENT



## PRODUCT STRUCTURE:

Shenzhen Baishanen Medical Technology Co., Ltd. is a medical device company integrating R&D, production and sales. It is located in Zhongcheng Advanced Manufacturing Park, the fifth park of Biomedical Industrial Park in Pingshan District, Shenzhen. Baishanen's nursing series products are committed to improving the rehabilitation environment, reducing the burden of nursing, and preventing various complications. The company has been adhering to people-oriented, quality-based survival, integrity to win the market, technological innovation, and benefiting society!

## PRODUCT STRUCTURE:

### 1. Wearable urine container



### 2. Main Host



## PRODUCT STRUCTURE:

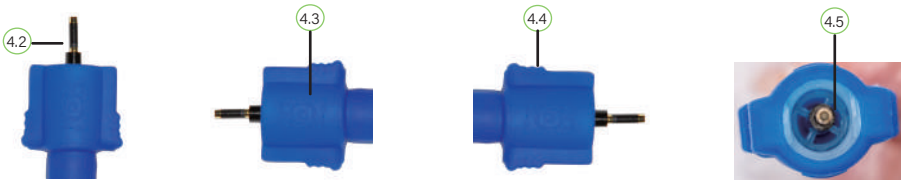
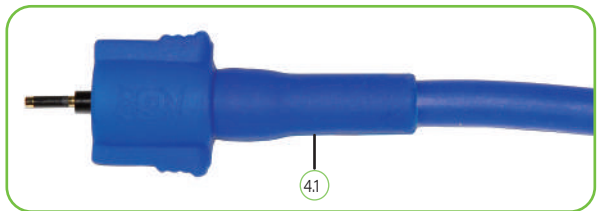
### 3. Store urinals



- ③.1 Urinal pouring spout
- ③.2 Urinary catheter connection seat
- ③.3 Urinary tube

### 4. Sensor assembly

- ④.1 Blue catheter
- ④.2 Urine sensor head
- ④.3 Quick connector (female)
- ④.4 Hand-press button
- ④.5 Filter element



## MAIN TECHNICAL PARAMETERS

Voltage: DC3.7V    Urination power: <3.5W  
Host dimension: length (135mm) x width (70+2mm) x height (65mm)  
Urinal storage capacity: 2600ml    Host weight: 226g    Urination flow: 1050ML/min

## SCOPE OF APPLICATION:

It is suitable for patients with urinary incontinence after surgery, paralysis, bedridden, etc. who cannot take care of themselves, the elderly with inconvenient legs and feet, frequent urination, urgency, and inability to urinate, as well as people in special working environments.

## WORKING ENVIRONMENT

Ambient temperature: 1°C~40°C  
Altitude -390m~+5574m

Relative temperature <40°C  
Atmospheric pressure 50kpa~106kpa

## STORAGE AND TRANSPORTATION REQUIREMENTS:

The urine collector should be stored in a ventilated, dry place without direct sunlight. When using general transportation tools, it is necessary to prevent severe impact, vibration, rain, moisture and explosion-proof selenium during transportation.

# OPERATION GUIDELINE

## WEARABLE URINATOR BSN-001>, BSN-001<, BSN-002

1. Insert the urine sensing head in the quick female connector (4.3) of the sensor assembly into the wearable silicone urine container connector (1.3), and simultaneously press the quick connector hand pressure button (4.4) to rotate and dock (in the silicone urine container The exposed urine sensor head can be visually inspected);
2. Clamp the urination device host to the edge of the bed and fix it, insert one end of the urination tube (3.3) into the urination interface (2.4) of the controller host, and connect the other end to the urinal;
3. Wear the urinary container on the patient (the one-size-fits-all belt can be adjusted according to the waist size of the user). Note: For the regular urinary device worn by men, the male penis must be put into the silicone urinary container; for the shrinkage urinary device worn by men The male penis and scrotum should be put into the silicone urine container together; the urine drainage groove (1.8) in the female silicone urine container must be aligned below the urethral opening; then buckle the two elastic straps.
4. Arrange and straighten the sensor assembly and urinary tube. The sensor assembly can be fixed in the silicone fixing buckle (1.2) on the silicone urine container, or it does not need to be fixed.



## MEN'S BAG URINATOR BSN-003

1. Tie a knot at 1/3 of the opening of the urine collection bag;
2. Insert the urine sensing head in the quick female connector of (4.3) the sensor assembly into the wearable silicone urine container docking connector (1.3), and simultaneously press the quick connector hand press button (4.4) to rotate and dock (in the silicone urine container, it can Visual inspection of the exposed urine sensor head);
3. Clamp the main unit of the urination device to the edge of the bed and insert the urination tube (3.3) into the urination interface (2.4) of the main unit of the controller, Insert the other end into the urinal.
4. Open 2/3 of the opening width of the urine collection bag, put it on the penis, and tie the knot with appropriate strength (it should be loose but not tight, so that the urine collection bag does not fall off);
5. Organize and straighten the sensor assembly and urinary tube to prevent them from being bent and keep them smooth and smooth.



## MIXED URINAL

BSN-004

1. Insert the urine sensing head in the quick female connector (4.3) of the sensor assembly into the docking joint of the urine container, and press the quick connector hand pressure button (4.4) at the same time to rotate and dock it (the exposed urine can be visually observed in the urine container liquid sensing head)
2. Clamp the main unit of the urination device to the edge of the bed and fix it, insert the urination tube (3.3) into the urination interface (2.4) of the main unit of the controller, and connect the other end to the urinal; at the same time, the mixed male and female urine container is hung on the edge of the bed for use.



Turn on the power switch of the host (2) (push the button to the ON position). The light guide panel (3) of the host lights up green. Press the manual cleaning button switch (4) on the side of the host. The panel lights up green. At the same time, the host makes a motor running sound, indicating that the urinal can be used normally (when the manual cleaning button is pressed, the green light flashes continuously to remind the host that it needs to be charged).

During use, green light flashes continuously on the power (5) of the urination control host, indicating that the battery is insufficient and needs to be charged in time. Charging parameters: When used with a mobile phone charger, remove the urination control host, pull out the dust plug (6), plug one end of the charging data cable (7) into the host charging port (8), and insert the other end into the mobile phone charger. The urination control host switch (9) must be pushed to ON. Charging can only be done when the battery is in the correct position. At this time, the green light on the host panel will always be on. Until it is fully charged, the green light will go out.

**Warm Attention:** Because the patient is emotionally unstable, the caregiver should ensure that the urinary catheter and urine container are kept flat and smooth.

## USE REFERENCE DRAWINGS



Tie at 1/3



Clear clutter



Put on penis



Hanging urine container



Foreign matter filtering device



The urinary catheter can also be fixed as shown in the figure



Connect the urinary catheter to the silicone urine container



The main unit is fixed on the edge of the bed



Urinary tube inserted into urinal

## ROUTINE MAINTENANCE:

It is recommended to use a brush or toothbrush to wipe and clean the silicone urine container and urine sensor probe every day (with subtle movements and light intensity) to remove foreign matter on the surface. Please use the matching special tools (stainless steel tweezers) to clean the foreign matter in the filter element position of the quick connector female head and the foreign matter in the filter device.

Soak the urine sensor head (quick female connector) in water containing ordinary alcohol or diluted disinfectant (84# disinfectant: water = 1:1000), and press and hold the cleaning button (you can also add an appropriate amount of salt to the water to automatically Cycle) Clean the urinary catheter and urine pump for 3-5 minutes. It is recommended to clean them in time every morning and night.

The host housing and the interface between the host and the sensor assembly should be kept dry and free of water droplets. Disinfect the cleaned silicone urine container with 75% alcohol.

## PRECAUTIONS

1. Please read the manual instructions carefully before using.
2. People with dementia should use this product with caution or under the care of nursing staff.
3. Please check the health condition of the genitals and related parts before use.  
Use with caution if there are any adverse conditions.
4. Be careful not to bend or block the pipeline when using it.
5. If skin allergies or redness or swelling occur after wearing it, please stop using it immediately.
6. In order to prevent the generation of odor or the breeding of bacteria, special attention must be paid to cleanliness and hygiene. Please fully clean, disinfect and dry all accessories after use.
7. It is strictly forbidden to share the product with others to avoid cross infection.
8. During wearing, please strictly follow the posture required in the instructions.
9. The actual effect of this product varies for different people, and there is no guarantee that it will have the same effect or efficacy.
10. When using this product in the initial stage, please practice more and use it with caution depending on your own situation.
11. Our company will not accept any adverse problems caused by the use of this product after modification or installation.
12. To ensure smooth drainage of urine, please adjust the urine drainage tube and urine bag to be smooth and smooth during use.
13. This product should be kept away from direct sunlight and stored in a dry environment at room temperature (0-55°C).
14. If the product is used in a manner other than the company's instructions for use, resulting in personal injury or any loss, the company will not be responsible.
15. The product warranty period is 6 months (from the time of receipt). If the product fails due to improper use, the consumer will need to bear the corresponding technical maintenance costs during repair.
16. The buyer is responsible for the unilateral express delivery costs when the product is returned for repair. The manufacturer is responsible for the return express delivery (company contracted express delivery company) after the repair (within the scope of warranty) is completed.
17. During maintenance and inspection, if the machine failure is caused by improper human operation, if the machine is blocked due to urine scale and foreign matter, or the solubility of the chemical cleaning agent is too high (84# disinfectant: water = 1:1000), the host should be soaked in water and removed from the machine. Failures caused by water intrusion or water seepage in the casing are not covered by the warranty. Technicians will record a video of the machine failure as evidence and send it to the consumer. Materials, accessories and labor costs will be repaired after the consumer confirms it.
18. It is not recommended to use the product while charging. It may cause battery damage, reduced capacity, shortened life, etc., especially if it poses safety risks.
19. It is strictly prohibited to use warm water exceeding 40 degrees for testing, including daily maintenance, and it is not allowed to use warm water exceeding 40 degrees for cleaning.
20. When the product is not used for a long time, it needs to be charged regularly (once every 30 days), otherwise battery loss will affect the battery life.

Contraindications: Use with caution if you are allergic to silicone or PE materials.  
If symptoms of skin allergy occur, please stop using it immediately.



[urinesuctiondevice.com](http://urinesuctiondevice.com)