

# NASAL CANNULA

NC12L/NC12M/NC12S

CE0123

## User Manual

### 1. Warning, Caution and Important Tip

#### WARNING!

Indicate the possibility of injury to the user or operator.

#### CAUTION!

Indicate the possibility of damage to the device.

#### IMPORTANT TIP!

Place emphasis on an operating characteristic.

Warnings, Cautions, and Important Tips appear throughout this manual as they apply.

### 2. Intended Use

This product is used to deliver warm and humidified breathing gas to patients, and is used in conjunction with breathing gas supply device with high flow function. It is expected to be used in medical institutions and home environments.

### 3. Contraindications

For those with facial deformities, those who are allergic to the material of the nasal cannula and use it carefully if there is damage to the skin in contact with the nasal cannula.

### 4. Features

The nasal cannula consists of rhinobyon, headband, tube, headband fixing ring, clip and machine end, as shown in Fig. 1.

The product consists of three specifications: large size, medium size and small size.

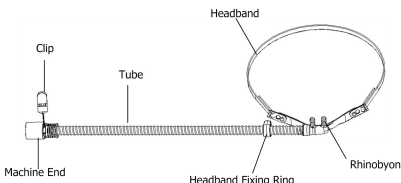


Fig. 1

### 5. Specifications

<b>Flow Range</b>	NC12L: 10 ~ 85 L/min
	NC12M: 10 ~ 70 L/min
	NC12S: 10 ~ 70 L/min
<b>Diameter of the Machine End</b>	Comply with 22 mm connector in standard ISO 5356-1
<b>Length</b>	40 cm±10%
<b>Temperature</b>	Operation: 5°C ~ 35°C Transport and Storage: -25°C ~ +70°C
<b>Humidity</b>	Operation: ≤ 93%, Non-condensing Transport and Storage: ≤ 93%, Non-condensing
<b>Atmospheric Pressure</b>	Operation: 760 ~ 1060 hPa Transport and Storage: 760 ~ 1060 hPa
<b>Manufacture Date</b>	Refer to the nameplate
<b>Validity Term</b>	5 years

### 6. Cautions and Warnings

- This product is intended for adult.
- This device must be used under proper supervision.
- The device is intended for use by a single adult only. Multiple patient use may spread infectious substances.
- Do not clean, disinfect or sterilize the device, otherwise it may lead to the degradation of the material and product defects.
- The nose delivery the breathing gas can produced positive airway pressure (PAP). The possible adverse reactions of patients to positive airway pressure (PAP) should be considered.
- Please do not use nasal cannula with air entrainer in case of excessive pressure.
- It is forbidden to use nasal cannula near the open flames in case of a fire.
- It is forbidden to squeeze or pull the nasal cannula to prevent the failure of treatment.
- If you need to use the nasal cannula cooperate with oxygen supply device, please follow all safety precautions. When the breathing gas supply device is not working, the oxygen supply device must be turned off to prevent fire danger.
- Check the integrity of the product packaging, if the package is found damaged, please do not use this product.
- Check the product regularly and replace the product immediately if it is found to be contaminated or no longer applicable to its use intention.
- Check all connections to ensure that there are no blockages or leaks in the device.
- Please check whether the air flow is sufficient before wearing the nasal cannula, and make sure that the breathing gas supply device is preheated.
- Make sure the headband and rope are not too tight to avoid breaking the nasal cannula.
- Choosing the appropriate size of nasal cannula to avoid blockage of nostrils.
- Check regularly for condensed water and discard if necessary.
- The product can be used for up to 14 days.
- If the patient has any adverse reactions such as skin redness, chest tightness, dyspnea, gastric distension, severe headache, lacrimation, snivel and so on, please contact the medical and nursing professional.
- The pictures in the user manual are only for reference, if they are different from the material object, the latter shall prevail.

### 7. Wear the Nasal Cannula

- (1) Put the nasal cannula headband on the head (as figure ①).
- (2) Put the rhinobyon into the nostril of the patient. Stretch the headband, until the rhinobyon is firmly in place(as figure ②).

⚠ The diameter of the rhinobyon must be smaller than the diameter of the nostril to ensure that there is a certain gap between them. The main body of the rhinobyon must have a certain gap with the nasal septum.

- (3) Hang the headband fixing ring on the headband and adjust it to a reasonable position (as figure ③).

- (4) Clip the clip at the entrance of the pipeline to the collar of the clothes (as figure ④).

- (5) Connect the machine end to the tube of the breathing gas supply device and keep the gas supply smooth and without leakage (as figure ⑤).

### 8. Remove the Nasal Cannula

- (1) Close the breathing gas supply device and disconnect the connection between the nasal cannula and the breathing tube.

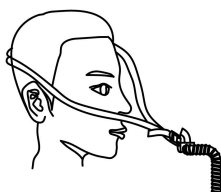
- (2) Loosen the headband of the nasal cannula, then remove the headband and rhinobyon from your face.

⚠ Make sure that the headband and rope are loosened and that the tube body is not pulled during removal.

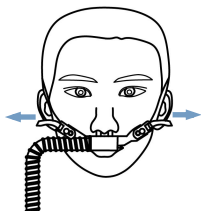
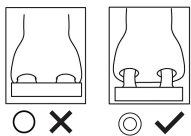
### 9. Disposal

When the device reaches the end of its service life, dispose of the device and packaging in accordance with local laws and regulations.

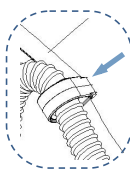
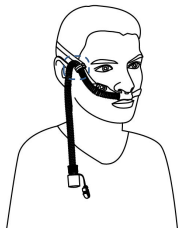
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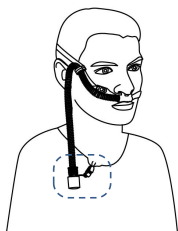
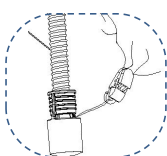
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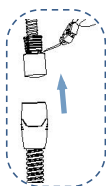
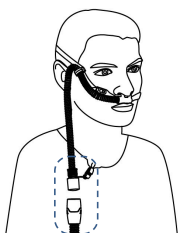
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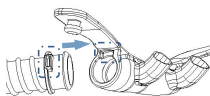
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


⑤

**CAUTION!**

When installing, nasal cannula groove is aligned with tube protrusion.

**10. Device Symbols**

-  Follow Instructions for Use
-  Do Not Re-use
-  Do not use the product if the package is damaged
-  Use-by date
-  Manufacturer **LOT** Lot number
-  Logo of BMC Medical Co., Ltd
-  Non-sterile
-  Caution
-  European CE Declaration of Conformity
-  Authorized Representative in the European Community

**11. Technical Support**

Please contact BMC directly if you need the technical data of the device and the list of components for certain purposes such as maintenance or connection to other equipment. BMC will provide the technical data or other technical documents in whole or in part according to your needs.

**12. Limited Warranty**

BMC Medical Co., Ltd. warrants that the product shall be free from defects of workmanship. If the product fails to perform in accordance with the product specifications, BMC Medical Co., Ltd. will repair or replace, at its option, the defective material or part. BMC Medical Co., Ltd. will pay customary freight charges from BMC Medical Co., Ltd. to the dealer location only. This warranty does not cover damage caused by accident, misuse, abuse, alteration and other defects not related to material or workmanship.

BMC MEDICAL CO., LTD. DISCLAIMS ALL LIABILITY FOR ECONOMIC LOSS, LOSS OF PROFITS, OVERHEAD OR CONSEQUENTIAL DAMAGES WHICH MAY BE CLAIMED TO ARISE FROM ANY SALE OR USE OF THIS PRODUCT. SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU.

To exercise the rights under this warranty, contact the local authorized dealers or:

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