

RESCOMF®

High Flow Nasal Cannula

User's Manual

CE 0123

1.Understanding the High Flow Nasal Cannula

1.1 Product Name:

High Flow Nasal Cannula

1.2 Model and specification:

NC001/S,M,L,T

NC002/S,M,L,T

1.3 Intended Use

Nasal Cannula patient interface for delivery of humidified respiratory gases.

Indications

HFNC is utilized for respiratory support in various clinical scenarios:

Hypoxemic Respiratory Failure: Including pneumonia, ARDS, COVID-19, or pulmonary edema.

Post-Extubation Support: To reduce reintubation risk or manage stridor.

Immunocompromised Patients: Avoiding invasive ventilation (e.g., oncology, transplant patients).

Acute Heart Failure: Alleviating pulmonary edema.

Pre-Intubation Oxygenation: During procedures requiring sedation.

Palliative Care: For patients with do-not-intubate (DNI) orders.

Procedural Support: During bronchoscopy or in sleep apnea (limited evidence).

Intended Patient Population

Adults: With moderate-to-severe respiratory distress (SpO₂<90% on conventional oxygen, tachypnea, increased work of breathing), Post-surgical, immunocompromised, or those transitioning from invasive ventilation.

Contraindications

Apnea or ineffective respiratory drive (e.g., coma, neuromuscular weakness).

Complete upper airway obstruction (e.g., epiglottitis, severe facial trauma).

Basal skull fracture or nasal trauma (risk of intracranial air entry).

Severe Hypercapnia: pH <7.25 in COPD exacerbations (NIV may be preferred).

Airway Compromise: Inability to protect airway (e.g., low GCS, vomiting risk).

Anatomical Issues: Nasal obstruction, recent surgery, or epistaxis.

Patient Intolerance: Agitation or claustrophobia preventing device use.

Intended Users

Healthcare Professionals.

Respiratory therapists (primary operators).

Critical care nurses, physicians (ICU/ED), and anesthesiologists.

1.4 Composition

Nasal Cannula consists of a gases inlet,a connecting tube , a nasal prongs and a head strap.

1.5 Warning:



Warnings

- Appropriate patient monitoring must be used at all times.Failure to monitor the patient may result in loss of therapy, serious injury or death.
- Ensure that the nasal prongs is properly placed in the nares.
- Do not stick disposable fixed adhesive tape when the patient has damage of skin, ears or eyes.
- The product is intended to be used maximum of 14 days for single patient.
- Cross use may result in transmission of infectious substances,failure therapy.
- Replace the nasal cannula as soon as possible if lack of air flow. This may be due to blockage or damage to any part of the nasal cannula.
- Do not use if packaging is not sealed.

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- Do not crush or stretch tube , to prevent loss of therapy.
- Do not use near a naked flame,to avoid fires.
- Check for condensate regularly, drain as required.
- Stop using if allergic symptoms arise.
- Non sterilized supplied from manufacturer.
- Use together with the breathing system.

2.Use and Maintenance

2.1 Product Usage

1.Before connecting the interface , check for adequate gas flow, clean and intact.

2.Connecting the heated tube from breathing system and check for safe connection.

3.Turn on the device and check if any conditions of leakage or blockage.

4.The correct way to wear as following Fig.

【 NC001/S,M,L ;NC002/S,M,L 】

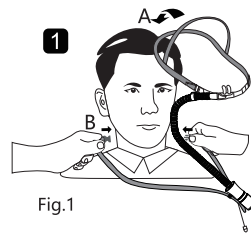


Fig.1

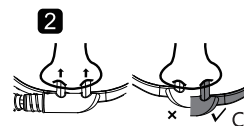


Fig.2

A clear gap must be visible around each prong, prongs must not create a seal in the nares.

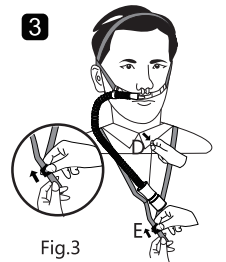


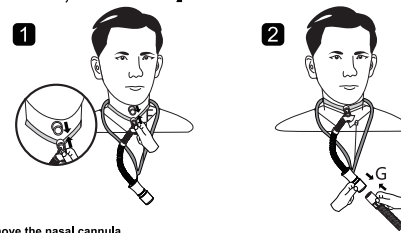
Fig.3



Fig.4

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【 NC001/T;NC002/T 】



2.2 Remove the nasal cannula

Unstrap and get off from the head.

2.3 Operation Cautions

- Check the prongs is put in an appropriate position and make sure to keep a visible gap around each prong.
- Adjust headstrap to fit, do not over-tighten.
- Make sure there is no secretions in the nares, to avoid the prongs congestion.
- Do not over pull the heated tube and the nasal cannula ,over traction may result in breaking off the cannula and possibility of injury to patients.

2.4 Processing Instruction

Manufacturer: Guangdong EDA Technology Co., Ltd.

Method:See in below table

Symbol:N.A.

Devices:This processing instruction is suitable for all models of High Flow Nasal Cannula.

Processing requirements for first and interval use: Have to clean and disinfect the nasal cannula before first use, or when no use over than one week.

Limitations on processing	Reuse: 30 times - These devices are designed for 30 repeated uses when in accordance with reprocessing instructions. These devices are supplied non-sterile as indicated on the packaging labels. Process through cleaning and disinfection after each use. Care in use and handling will help ensure the useful life. - Water requirements for cleaning and disinfection: For household use, the product may adopt Utility Water as specified in AAMI ST 108; for hospital environment use, it is recommended to use Critical Water compliant with AAMI ST 108.
INSTRUCTIONS	
Initial treatment at the point of use	Step 1: Press the Start/Stop button of the ventilator to stop ventilator, then turn off the power of ventilator. Step 2: Remove the nasal cannula from the breathing machine before cleaning. Step 3: Rinse the nasal cannula with clean water until no obvious soil stay in the nasal cannula when there is obvious soil or contamination in the nasal cannula after detaching the nasal cannula from ventilator.
Preparation before cleaning	Step 1: Please check the High Flow Nasal Cannula for any damage before cleaning. If there are any holes, tear or crack, the nasal cannula should be replaced after dissemble the nasal cannula. Step 2: Please check if there is dirt, blood or sputum scab in the nasal cannula, it

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Effective date: 2026.06.04 V1.4

The website of Electronic manual is <https://qr61.cn/ojIVoX/qE6KDbF>

2.8 Troubleshooting

General Problem	Probable Cause	Possible Solution
Uncomfortable wearing	1. The nasal prongs has got dirty or foreign matter. 2. It's probably wearing in an incorrect way. 3. Size of the cannula is not appropriate.	1. Replace or clean the nasal prongs. 2. Wear again or adjust the cannula. 3. Consult your clinician.
Too much noise	It's probably wearing in an incorrect way or the nasal prongs is blocked.	Wear again or adjust the cannula.

2.9 Warranty

Validity period of the product is 5 years.
The production date is on the label.

3.Symbol Description

Refer to manual	Latex free	LOT Number	Expiry Date
keep out of sun	Non-sterile	Catalogue number	Date of Mfg
Manufacturer	Caution and refer to attached document	Authorized Representative in European Community.	Medical Device

	If any visible deterioration of a system component is apparent (cracking, discolouration, tears etc.), the component should be discarded and replaced. Then install the High Flow Nasal Cannula to the ventilator to confirm it can work normally when you power on the ventilator.
Packaging	The nasal cannula after disinfection are stored in clean and dry containers or clean bags for use. Do not wear gloves with talcum powder when packing to prevent talcum powder from entering the nasal cannula inside; When packing, check whether the articles are complete to prevent missing parts.
Sterilization	N.A.
Storage	Temperature:-20°C - 60°C Humidification:10%-95% Atmospheric pressure:70Kpa~106Kpa Storage conditions : Keep in the original packaging, protected from dust and avoid exposure to direct sunlight.

Please record the number of uses in the following table after each use:

Number of uses	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Mark "√" after each use															
Number of uses	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Mark "√" after each use															

2.5 Storage Environment

Temperature:-20°C - 60°C
Humidification:10%-95%
Atmospheric pressure:70Kpa~106Kpa
Light ray: Stay out of the direct sunlight.

2.6 Application Environment

Temperature:16°C - 30°C
Humidification:10%-95%

2.7 Disposal

This product should be harmless disposed as polymer medical device.

		must be cleaned within half an hour. Step 3: Prepare Liquid container which can accommodate the High Flow Nasal Cannula, Enzyme-containing cleaning solution and an effective chlorine solution containing 0.78% (eg, MetriZyme™ dual enzymatic detergent). Note: If the cleaning agent or disinfectant actually used differs from the above usage method, follow the use instructions of the cleaning agent or disinfectant being used.
Cleaning:	Automated	N.A. The product cannot be automatically cleaned, which may cause product damage (it may case contact pipe wrinkles or damage, nasal cannula aging et.,) and affect product performance.
	Manual	Step 1: Please use clean water to wash the dirt, blood or sputum scab and other dirt in the nasal cannula firstly. Step 2 : Soak the High Flow Nasal Cannula in enzyme-containing cleaning solution for 2~3 minutes, then rinse with clean water for 1~2 minutes. Suggest using the clean enzymatic detergent from MetriZyme™ . Step 3: After cleaning, check that there is no dirt, blood or sputum scab inside the nasal cannula and other dirt can be disinfected. Otherwise, please repeat above Step 1 to Step 2. Note: - Do not soak nasal cannula in hot water, alcohol, non-designated disinfectants or antiseptics to avoid coagulation of mucus, blood or other body fluids. Do not exceed one hours soaking in ANY solution. - Do not use steel wool, wire brushes, pipe cleaners or abrasive detergents to wash the nasal cannulas, they will damage the nasal cannulas. - Manual cleaning effect has its instability, it is recommended to strictly follow the instructions when cleaning. - If the cleaning agent actually used differs from the above usage method, follow the use instructions of the cleaning agent being used.
Disinfection:	Automated	N.A. The product cannot be automatically cleaned, which may cause product damage (it may case contact pipe wrinkles or damage, nasal cannula aging et.,) and affect product performance.
	Manual	Step 1: Soak the cleaned nasal cannula with an effective chlorine solution containing 1% (eg, 84 DISINFECTANTP) for 30~35 minutes to disinfect it; The nasal cannula must be completely immersed in disinfectant during immersion disinfection. Step 2: After soaking, rinse with pure water or cold boiled water for 1~3 minutes and soak for 30~35 minutes. Note: - Manual disinfection effect has its instability, it is recommended to strictly follow the instructions during disinfection. - If the disinfectant actually used differs from the above usage method, follow the use instructions of the disinfectant being used.
Drying		Step 1: Then hang the nasal cannulas vertically in a ventilated environment for more than 4 hours to air dry. Step 2: After drying, check that the nasal cannulas are free from blood stains, stains, damage, aging and cracks.
Maintenance, inspection and testing		Visible criteria for product inspection: Check that the nasal cannula is free of dirt or water stains.

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