

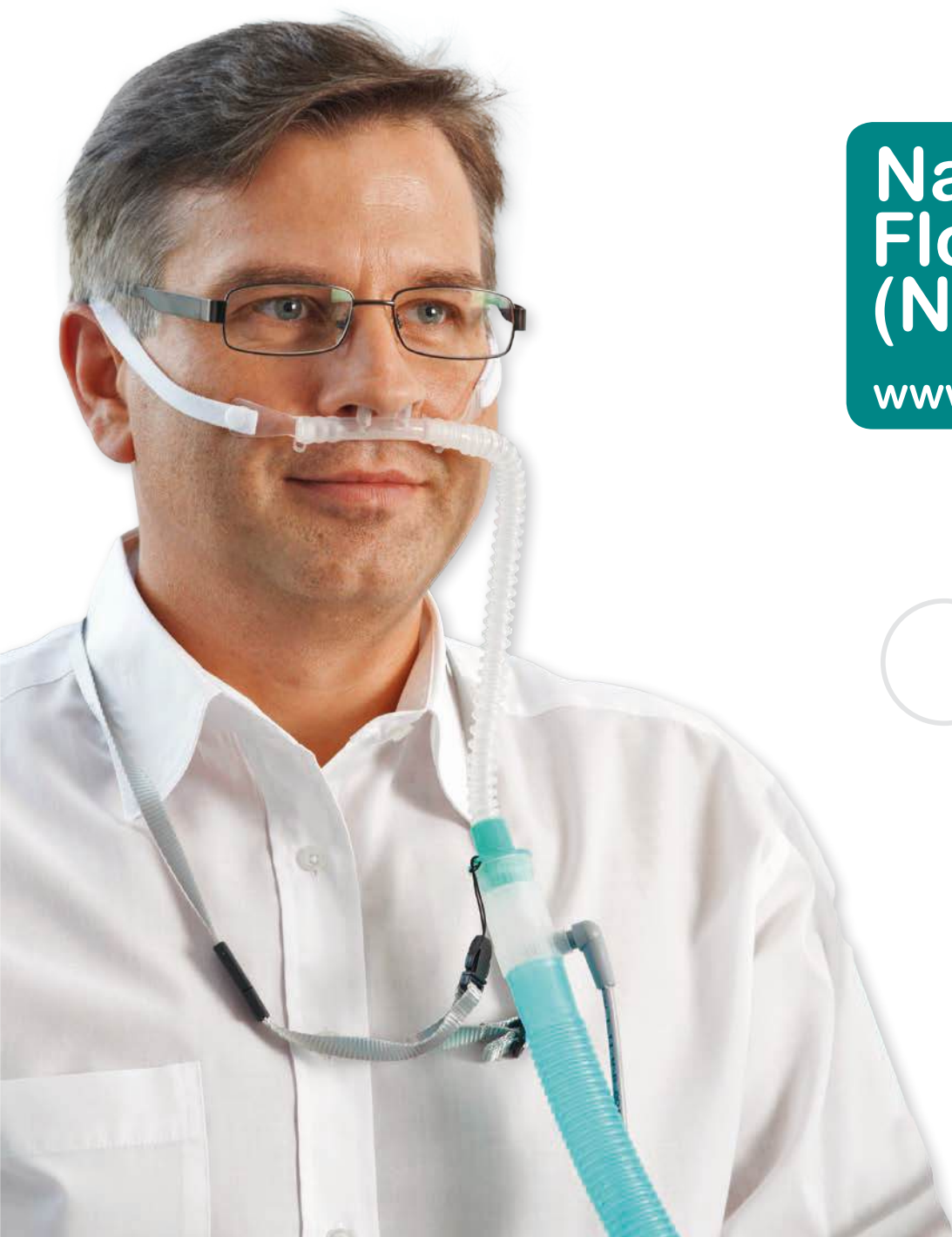
WILAméd

Equipment for Professionals



Nasal High-Flow Therapy (NHFT)

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WILAméd Nasal High-Flow

Nasal Oxygen Insufflation is a young, non-invasive form of therapy for clinical use on children and adult patients.

With nasal oxygen insufflations heated breathing gas is administered at a high flow rate through a specially designed nasal cannula. This form of oxygen supply is called **Nasal High-Flow Therapy (NHFT)**.

WILAméd NHFT-System guarantees sufficient respiratory gas conditioning, even at a high flow rate, administered to the patient via the nasal high-flow cannula **Oxi.Plus™**. This nasal cannula reduces the amount of respiratory dead space, increases alveolar oxygen concentration, improves oxygenation, and makes breathing easier while reducing FiO_2 at the same time.

Conditioned respiratory gas warms and humidifies respiratory passages, increases lung compliance, maintains secretion mobility and reduces the risk of bronchial hyper response symptom. **WILAméd's NHFT-System** conditions flow rates up to 50 liter per minute.

Oxi.Plus™, a special designed nasal high-flow cannula made of soft silicon, enhances patient comfort and does not hinder the patient. While in use, patients can drink, eat and talk.



Acute heart failure (AHF) is one of the main causes of acute respiratory failure (ARF) and is generally treated with conventional oxygenation systems (nasal cannula, Venturi mask). NHFT therapy is modern, effective, user-friendly and provides an alternative method. Medical Oxygen is a cold and anhydrous “burning” gas, it can irritate the nasal mucosa and cause bleeding due to dehydration.

NHFT has also shown to be useful in the NICU for patients with RDS (Respiratory Distress Syndrome), as it may prevent patients from intubation.

WILAméd NHFT-System provides maximum benefit to patients who require high concentration of oxygen and a flow rate greater than a conventional nasal cannula can supply. While Low-Flow-Therapy is only for oxygenation, NHFT can additionally reduce CO_2 levels.

Benefits

- High nasal flow rates up to 50 L/min
- Optimally conditioned respiratory gas
- Low level PAP
- Reduces dead space in the nasal pharynx
- Improved patient comfort, compliance and oxygenation
- Reduction of CO_2
- Allows talk, eating, drinking and sleeping

Indications

- Acute hypoxic respiratory failure
- Acute Asthma
- Cardiogenic pulmonary edema
- Pneumonia
- Carbon monoxide poisoning
- Post-extubation respiratory distress
- Do-not-intubate (DNI)
- Post cardiac surgery

Nasal High-F

Therapy (NHFT)

What makes NHF so effective?

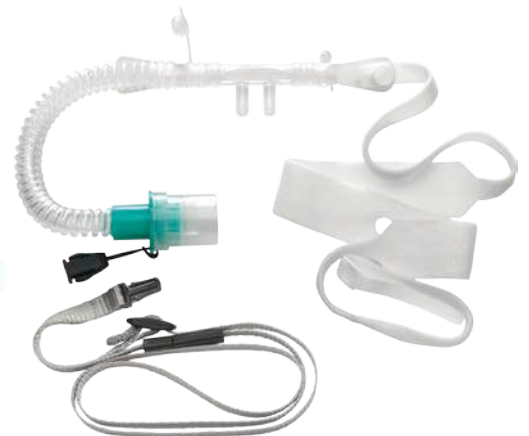
Fact 1: NHF is able to deliver precise levels of oxygen, even at high flows.

Fact 2: During NHF anatomical dead space of the upper airways is flushed by high incoming gas flows, providing a kind of reservoir of fresh gas constantly available for every of the patients breaths, while reducing the level of carbon dioxide (CO₂)

Fact 3: NHF in combination with optimal humidity maintains mucociliary clearance. This is especially important for patients suffering from secretion problems (e.g. high level COPD patients), as the risk of respiratory infection is reduced.

Accessories

REF	Description
100.900	AIRcon – Respiratory Humidifier Base Unit, 220–240 V
100.350	MaxVenturi™ Oxygen Blender
100.357	High-Flow AIR/O ₂ Blender with Flowmeter
270.821	Nasal High Flow Cannula, Size 1 (PU 15)
270.822	Nasal High Flow Cannula, Size 2 (PU 15)
270.823	Nasal High Flow Cannula, Size 3 (PU 15)
270.824	Nasal High Flow Cannula, Size 4 (PU 15)
270.938	Oxygen Flow Meter Connector, DISS, 22/15 mm
271.125	BTS3234A – Single Breathing Tube System for NHFT, heated (i), A-Adapter, Auto Fill Chamber, 150 cm, 22 mm Ø, Connection Tube 60 cm



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