INSPIRATION
HEALTHCARE GROUP

First Breath™

Neonatal Respiratory Support

First Breath™ nCPAP

The First Breath nCPAP Generator benefits from established fluidic principles to provide non-invasive respiratory support. The fluidic flip technology is clinically proven, field-tested, minimising the imposed work of breathing (iWoB) and encourages the baby to maintain their own respiratory drive.

First Breath™ nCPAP Generator

- Fluidic technology shown to reduce iWOB

- Accessories include; Prongs, Masks, Bonnet, and Headgear

- Maintains a constant positive pressure

- Follows a known relationship between flow and pressure

- Single tube for ease of attachment and better alignment

- Designed for patient comfort

- Headgear – designed to be simple to use and quick to set up

- Bonnet - designed to enable nasal assessment at regular intervals
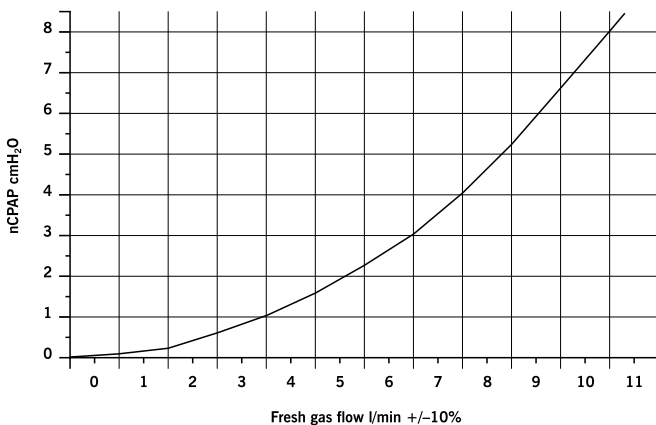

Fixation designed for ease of use

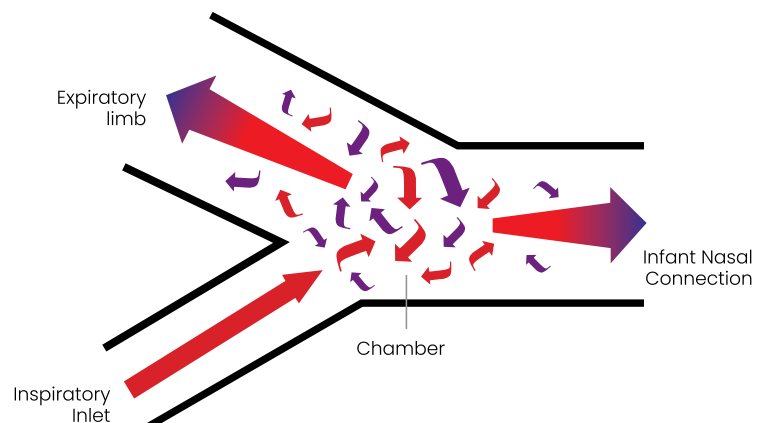Complete system including Prongs and Mask

Single point of fixation designed to aid alignment

Established fluidic principles

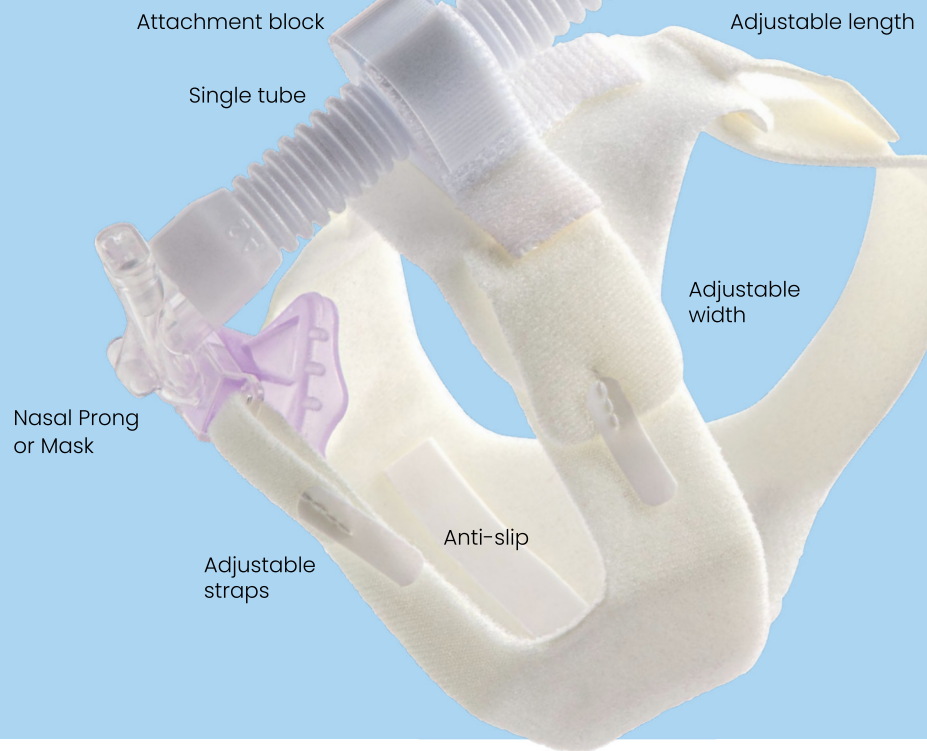nCPAP cmH$_2$O vs Fresh gas flow l/min +/−10%

These images are representative of the benefits of the fluidic principle

Fluidic flip principle

Expiratory limb

Inspiratory Inlet

Chamber

Infant Nasal Connection

Complete Respiratory Care

First Breath™ Headgear

- Available in five sizes
- Designed to adjust to the perfect fit
- Designed for a fast and adjustable fit
- Anti-slip for stable and secure fixing
- Enables access to scalp
- Single point of fixation designed to aid alignment
- Attachment block designed to transfer weight from nasal area
- Made with biocompatible materials

Attachment block

Single tube

Adjustable length

Adjustable width

Nasal Prong or Mask

Anti-slip

Adjustable straps

First Breath™ Bonnet

Single Tube

Attachment block

Access to scalp

Ribbon ties

Hook-and-Loop tab

Nasal Prong or Mask

- Available in 12 colour-coded sizes
- Hook-and-loop tab designed to allow for adjustment.
- Enables access to the scalp.
- Single point of fixation designed to aid alignment.
- Attachment block designed to transfer weight from the nasal area.
- Made with biocompatible materials.
- Compatible with the First Breath Generator
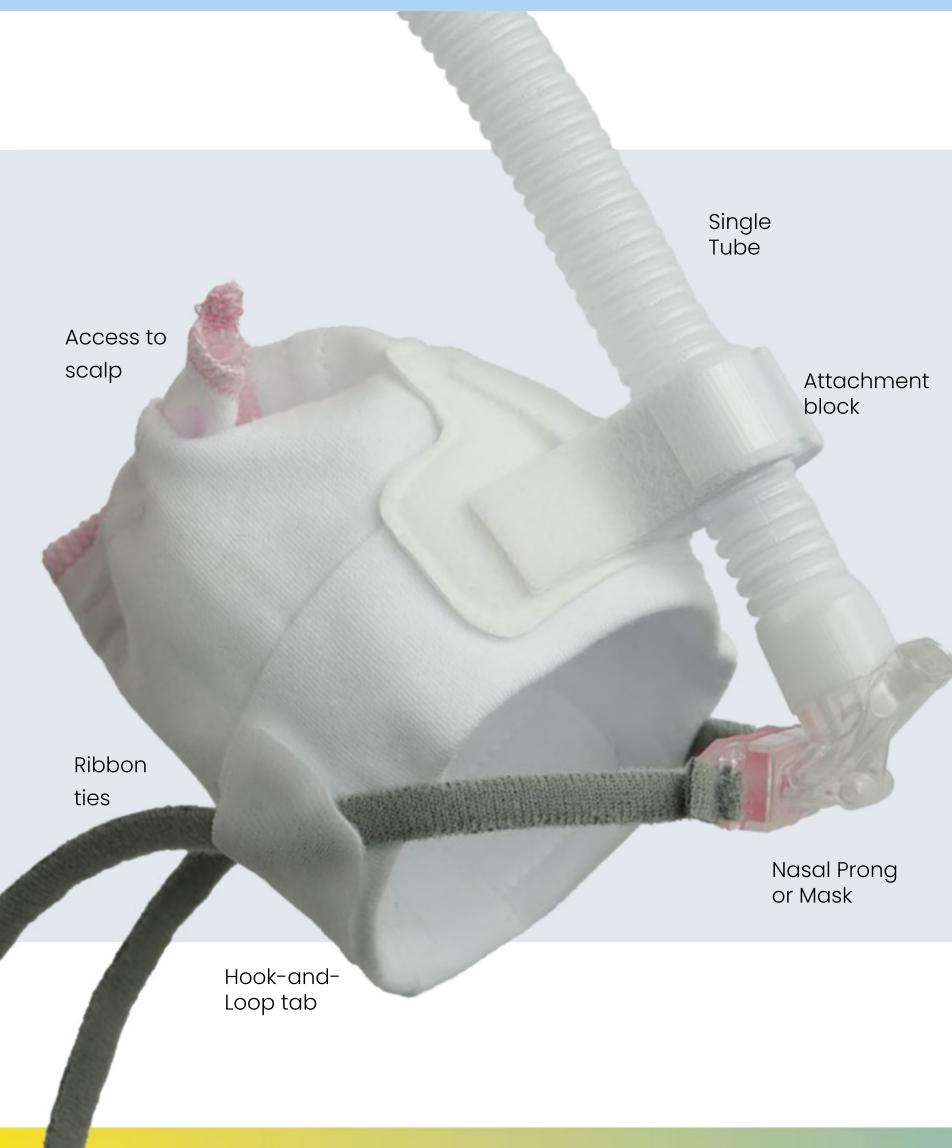
Breathing Circuits

First Breath range of breathing circuits ensures the patient receives heated humidified gases.

The circuits are suitable for oxygen therapy and non-invasive ventilation in single-limb modes. Each circuit is single patient use and can be adapted easily to meet the needs of the patient.

Circuits Technical Description

Flow resistance	≤0.74 cmH2O/l/min @ 2.5 l/min
Leakage	30 ml/min @ (60±3) cmH2O
Compliance	≤1.5 ml/cmH2O @ (60±3) cmH2O
Circuit length	1.6 m
Inside diameter of tube	10.4 mm
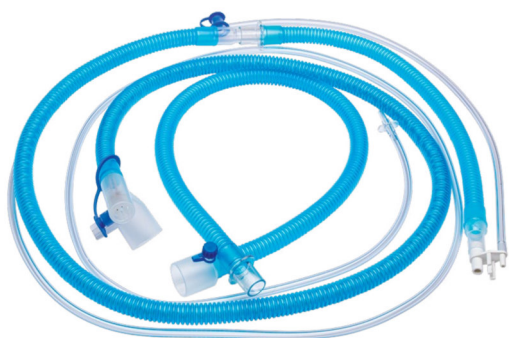
Single Heated
non-invasive circuit

Options are available with
or without humidification
chamber

Connector pack offers a
range of therapies

Breathing Circuits

Key Features

- Nitric oxide ports available in the chamber output connection – one less adaptor required

- Additional limb for positioning the temperature probe outside the incubator or as close to the patient when using an open cot

- Spiral heated wire, heats the tube evenly to reduce condensation and deliver optimal humidification to the patient

- Option for Connector Pack means that the breathing circuits can be used for a number of Therapies

- Option for humidification chamber to be in the pack or sold separately

- Clover leaf adaptor for the humidifier heated wire adaptor

- With or without proximal airway tube, depending on the ventilator model

First Breath Circuit Connection to SLE1500 and range of SLE6000's

Connection to the SLE6000N

Connection to the SLE1500

Ordering Information

First Breath nCPAP Generator

First Breath nCPAP Generator with Nasal Sizer and S/M/L Nasal Prongs (Case of 10)	VX8000
First Breath nCPAP Generator with Nasal Sizer and S/M/L Nasal Prongs Plus Standard Vent Circuit (Case of 20)	VX8001
First Breath nCPAP Generator with Nasal Sizer and S/M/L Nasal Prongs Plus Standard Vent Circuit & Autofeed Chamber (Case of 10)	VX8002
First Breath nCPAP Generator with Nasal Sizer and S/M/L Nasal Prongs Plus Fabian/Standard Vent Circuit (Case of 20)	VX8003
First Breath nCPAP Generator with Nasal Sizer and S/M/L Nasal Prongs Plus Fabian/Standard Vent Circuit & Autofeed Chamber (Case of 10)	VX8004
Fabian Connecting Tube (Case of 10)	VX615
First Breath nCPAP Silencer (Case of 20)	C4325

Nasal Prongs (Cases of 10 unless otherwise stated)

First Breath nCPAP Extra Small (XS) Nasal Prong – Green	VX8020
First Breath nCPAP Small (S) Nasal Prong – Red	VX8021
First Breath nCPAP Medium (M) Nasal Prong – Blue	VX8022
First Breath nCPAP Large (L) Nasal Prong – Purple	VX8023

Nasal Masks (Cases of 10 unless otherwise stated)

First Breath nCPAP Small (S) Nasal Mask – Red	VX8030
First Breath nCPAP Medium (M) Nasal Mask – Blue	VX8031
First Breath nCPAP Large (L) Nasal Mask – Purple	VX8032
First Breath nCPAP Extra Large (XL) Nasal Mask – White	VX8033

First Breath Headgear (Cases of 10 unless otherwise stated)

First Breath nCPAP Headgear Extra Small (XS) 18-22 cm – Grey	VX8011
First Breath nCPAP Headgear Small (S) 22-26 cm – Brown	VX8012
First Breath nCPAP Headgear Medium (M) 26-30 cm – Blue	VX8013
First Breath nCPAP Headgear Large (L) 30-36 cm – Burgundy	VX8014
First Breath nCPAP Headgear Extra Large (XL) 36-42 cm – Navy	VX8015
First Breath nCPAP Fixation Blocks (Case of 20)	VX8018

First Breath Bonnet (Cases of 10 unless otherwise stated)

First Breath nCPAP Bonnet - White	VXWH000/10
First Breath nCPAP Bonnet - Grey	VXGY00/10
First Breath nCPAP Bonnet - Pink	VXPK0/10
First Breath nCPAP Bonnet - Brown	VXBR1/10
First Breath nCPAP Bonnet - Yellow	VXYE2/10
First Breath nCPAP Bonnet - Blue	VXBL3/10
First Breath nCPAP Bonnet - Gold	VXGO4/10
First Breath nCPAP Bonnet - Green	VXGR5/10
First Breath nCPAP Bonnet - Burgundy	VXBU6/10
First Breath nCPAP Bonnet - Orange	VXOR7/10
First Breath nCPAP Bonnet - Dark Green	VXDG8/10
First Breath nCPAP Bonnet - Navy	VXNA9/10

Ordering Information

Circuits

Single Heated & High Flow Nasal Cannula Breathing Circuits

First Breath nCPAP Single Heated Limb Circuit with Twin Connector (Standard Vent) (Case of 20)	C4204
First Breath nCPAP Single Heated Limb Circuit with Twin Connector (Standard Vent) & Autofeed Chamber (Case of 10)	C4205
First Breath nCPAP Single Heated Breathing Circuit with Luer Connector (Standard Vent) (Case of 20)	C4302
First Breath nCPAP Single Heated Breathing Circuit with Luer Connector (Standard Vent) & Autofeed Chamber (Case of 10)	C4303
First Breath nCPAP Single Heated Breathing Circuit with Twin Connector and Fabian Connecting Tube (Case of 20)	C4244
First Breath nCPAP Single Heated Breathing Circuit with Twin Connector, Fabian Connecting Tube & Autofeed Chamber (Case of 10)	C4245
First Breath nCPAP Single Heated Breathing Circuit with Fabian Connecting Tube (Case of 20)	C4342
First Breath nCPAP Single Heated Breathing Circuit with Fabian Connecting Tube & Autofeed Chamber (Case of 10)	C4343
First Breath nCPAP Single Heated Breathing Circuit with Universal Connector Pack (Case of 20)	C4124
First Breath nCPAP Single Heated Breathing Circuit with Universal Connector Pack & Autofeed Chamber (Case of 10)	C4224

Autofeed Chamber

Autofeed Humidification Chamber (Case of 12)	VX226

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