

## Improving outcomes beyond the NICU

### **fabian® family of ventilators**

Designed for the special respiratory  
needs of neonates





## Specialised ventilation care **for every infant**

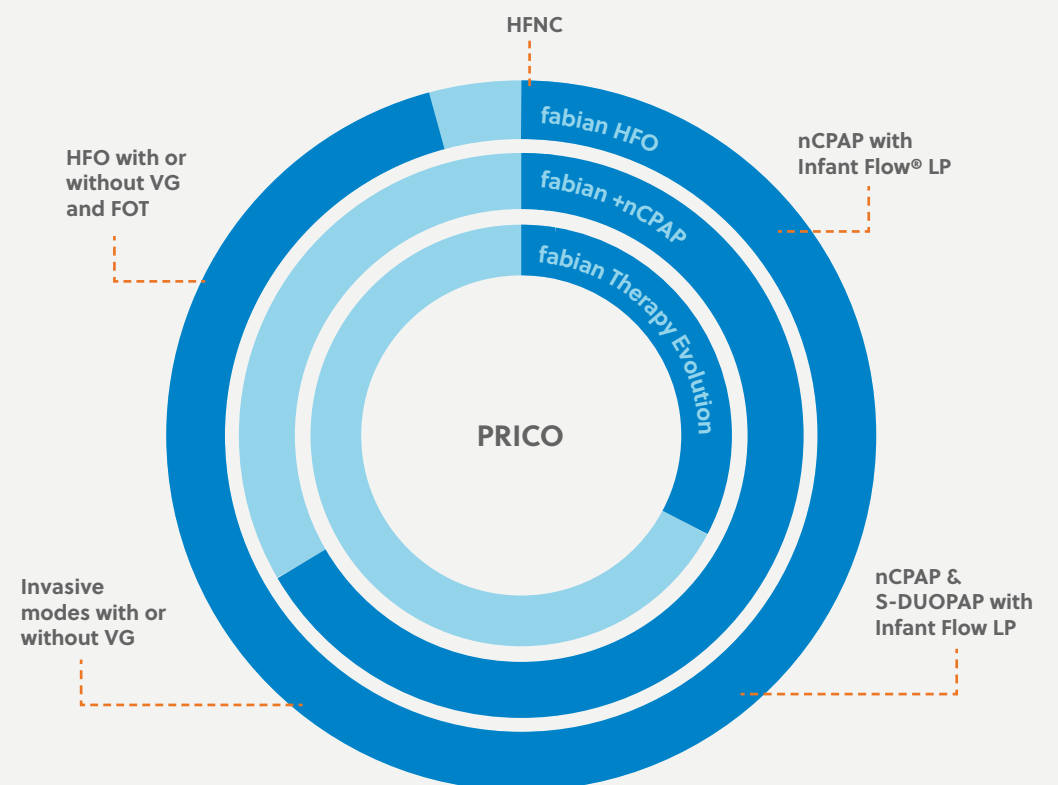
Deliver vital care across the entire neonatal acuity spectrum — from the newborn who needs help after a complicated delivery to the most fragile premature infant in the NICU.

Designed to improve your workflow and maximise your budget, the fabian® ventilator helps empower you to maintain the highest level of care as the infant's condition and needs change.

### Reduce stress for your team

- Intuitive, one-touch interface enables easy adjustments
- Colour-coded display designed to help present information clearly
- Testing has shown quieter operation inside an ICU than other ventilators; quieter operation can help create a restful environment<sup>1</sup>
- Less need to change devices helps to reduce disruption to infants
- Less inventory, maintenance, and training saves time and money
- Compact design enables practical intra-hospital transport
- Integrated electronic gas blender and built-in battery
- Up to 2.5 hours of battery life
- Designed to allow flexibility in positioning the ventilator for access to the infant from the bedside

## Therapy evolves as needed to meet your patient's condition



**HFNC:** O<sub>2</sub> Therapy-High Flow Nasal Cannula; **nCPAP:** Nasal Continuous Positive Airway Pressure; **S-DUOPAP:** Synchronised Duo Positive Airway Pressure; **FOT:** Forced Oscillation Technique; **PRICO:** Predictive Intelligent Control of Oxygenation

# The fabian Family of Ventilators



### fabian Therapy evolution

The fabian Therapy evolution offers all non-invasive modes including HFNC, nCPAP, DUOPAP, and triggered. DUOPAP (S-DUOPAP) is available with Infant Flow LP. Optionally, predictive intelligent control of oxygenation (PRICO) is available.

- HFNC
- NIV
- PRICO



### fabian +nCPAP evolution

The fabian +nCPAP evolution has the full scope of the fabian Therapy evolution with all modern invasive ventilation capabilities (IPPV, SIPPV, SIMV, SIMV+PSV, PSV, CPAP).

- HFNC
- NIV
- CV
- PRICO



### fabian HFO

Our most comprehensive ventilator, the fabian HFO with a 10.4" touchscreen has true single-membrane high-frequency oscillation with active inspiration and active expiration. Other enhancements include Forced Oscillation Technique (FOT), a lung recruitment tool unique to fabian.

- HFO
- FOT
- HFNC
- NIV
- CV
- PRICO



## fabian Family: Features comparison

|                                              | fabian<br>Therapy<br>evolution | fabian<br>+nCPAP<br>evolution | fabian<br>HFO | fabian<br>Therapy<br>evolution   | fabian<br>+nCPAP<br>evolution | fabian<br>HFO |
|----------------------------------------------|--------------------------------|-------------------------------|---------------|----------------------------------|-------------------------------|---------------|
| Main Features                                |                                |                               |               | Ventilation Modes                |                               |               |
| O <sub>2</sub> monitor (FiO <sub>2</sub> )   | ■                              | ■                             | ■             | CPAP                             |                               | ■             |
| Electronic gas blender                       | ■                              | ■                             | ■             | IPPV-IMV                         | ■                             | ■             |
| Inspiratory and Expiratory flow (Bias)       |                                | ■                             | ■             | SIPPV (A/C)                      | ■                             | ■             |
| Leak compensation                            | ■                              | ■                             | ■             | SIMV                             | ■                             | ■             |
| Integrated battery                           | ■                              | ■                             | ■             | SIMV + PSV                       | ■                             | ■             |
| Colour TFT display                           | ■                              | ■                             | ■             | NIV (nCPAP, DUOPAP)              | ■                             | ■             |
| Touchscreen display                          | ■                              | ■                             | ■             | NIV trigger                      | □                             | □             |
| Volume trigger/Flow trigger/Pressure trigger | □                              | ■                             | ■             | HFO                              |                               | ■             |
| Curves: Pressure                             | ■                              | ■                             | ■             | Volume limit                     | □                             | □             |
| Loops: V/F, P/V                              |                                | ■                             | ■             | Volume guarantee                 | ■                             | ■             |
| Advanced Monitoring                          |                                |                               |               | O <sub>2</sub> high flow therapy | ■                             | ■             |
| CO <sub>2</sub> Module (sidestream)          |                                |                               | □             | O <sub>2</sub> flush             | ■                             | ■             |
| SpO <sub>2</sub> module (Masimo)             | □                              | □                             | □             | Manual breath                    | ■                             | ■             |
| PRICO                                        | □                              | □                             | □             |                                  |                               |               |
| PDMS                                         | □                              | □                             | □             |                                  |                               |               |
| FOT                                          |                                |                               | □             |                                  |                               |               |

■ Standard    □ Optional



## Predictive Intelligent Control of Oxygenation (PRICO)

### The next generation of closed-loop oxygenation

PRICO performs automatic  $\text{FiO}_2$  adjustments to help the clinician maintain the patient's  $\text{SpO}_2$ .

**A multi-centre, randomised cross-over study comparing manual  $\text{FiO}_2$  versus automated  $\text{FIO}_2$  (PRICO)<sup>2</sup> found:**

- PRICO increased the time spent within the  $\text{SpO}_2$  target range
- PRICO reduced time above the target range

## Forced Oscillation Technique (FOT)

Offers an easy approach to help with lung recruitment

FOT measures the optimal reactance accurately during HFO and conventional modes, without the need to disconnect the patient from the ventilator or connect additional devices.

### Small details, big impact

Our ventilators are designed to help ensure that each infant receives the support they need. fabian is designed to work with Infant Flow LP.

### Pressure accuracy

fabian is equipped with fast-acting flow controllers, automatic leak compensation, and an electromagnetic exhalation valve to deliver set pressures.

## Flow and volume measurements

The neonatal flow sensor features:

- 0.9 mL deadspace
- Single and reusable flow sensors, for paediatric and neonates
- Designed to have low sensitivity to gas composition
- Sensitive hot-wire flow sensor helps enable adjustable flow trigger, ideal for extremely low birth weight infants



## Our commitment is to help you protect the lives of your smallest, most vulnerable patients

<sup>1</sup>Noise Produced by Neonatal Ventilators Inside and Outside of the Incubators; Lea Bergez, Gilles Jourdain, and Daniele De Luca

<sup>2</sup>Wilinska M, Bachman T, Szczapa T, Wroblewska-Seniuk K, Chojnacka K, Loniewska B, Olszanska K, Rzepecka Weglarz B, Janusz K, Piowarczyk P, Onland W, Hutten GJ, van Leuteren RW, van Kaam AH. Performance and safety of the PRICO closed-loop oxygen saturation targeting system in neonates: pragmatic multicentre cross-over study (TarOx Study). *BMJ Paediatr Open*. 2024 Jul 16;8(1):e002583. doi: 10.1136/bmjpo-2024-002583. PMID: 39019542; PMCID: PMC11253729.

fabian products are not available for sale in the U.S.

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