

A new Evolution in Neonatal and Pediatric Ventilation

fabian evolution



Experience in ventilation, ideal and reliable, from your NICU or PICU department to your patient destination.

Upgradeability at the maximum power with a modern technological platform, easy to service:

- With a proprietary built-in multi-microprocessor system the **fabian evolution** is a multi-language unit with guaranteed non-obsolence and all connections clearly arranged and easily accessible.
- Digital Interface with most Hospital Information Systems, to easily download ventilation and monitoring data.
- “Service mode” with remote diagnostics via USB port, standard Ethernet connection.
- New ventilation modes under development.

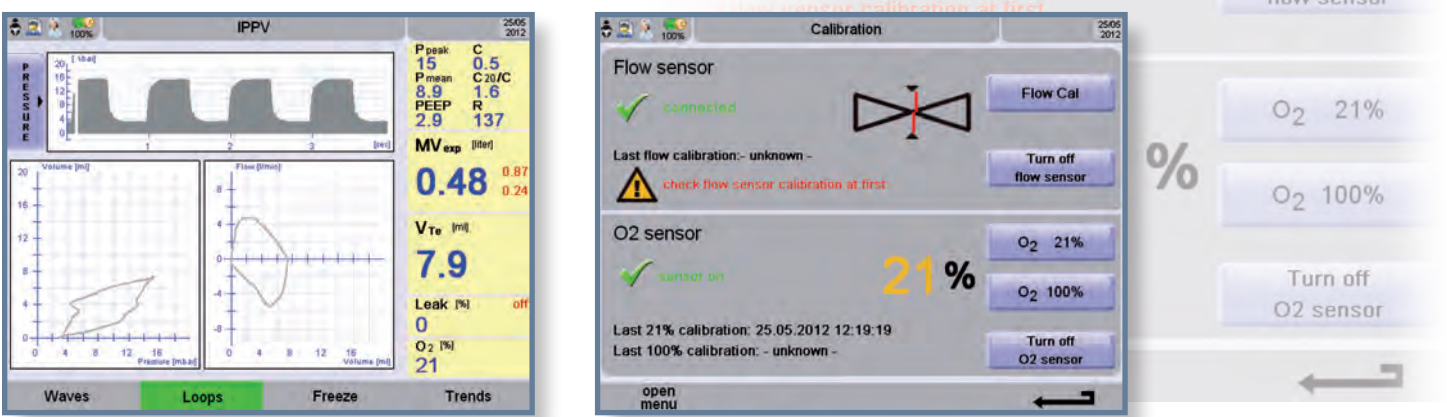


Clear, programmable, low cost of operation:

- Choice of **disposable or re-usable transducers**, compatible or dedicated patient circuits, for all ventilation modes.
- Fits most brands of prongs, nasal cannulas or masks from other manufacturers of NIV interfaces.

Respiratory monitoring and advanced functions

- Flow, volume, pressure, loops, FiO2 monitoring, compliance, C20/C, resistance, etc. All parameters available in real time, at a glance, with freeze function.
- On-line verification of flow, O2 sensor conditions and ventilator functions.
- Aeroneb Micropump Nebulizer option for optimal medication delivery, by Aerogen™.



Small and Truly Portable

- A compact and reliable lightweight unit (less than 10 Kg), designed for easy, safe and practical transport, with integrated gas blender.
- Built-in backup battery pack for up to 3 hours of self-powered operation.
- Optional compressor module.



The “Acutronic Experience” in your hands:

ACUTRONIC Medical Systems AG, based in Hirzel (Zurich, Switzerland) was founded in 1981, takes to the clinician 30 years of experience in neonatal and pediatric ventilation, technological advancements, exclusive design of flow sensors for accurate patient monitoring. We brought to the worldwide market products for jet ventilation, a technique of artificial respiration in ENT and thoracic surgery, becoming a major player in ventilation and involved in founding the European Society for Jet Ventilation (ESJV). Being neonatology and PICU one of our main fields of interest, ACUTRONIC Medical Systems AG focuses on artificial respiration and monitoring of neonates and preterm newborns. The FLORIAN respiratory monitor is considered as gold standard in the measurement of gas flow and pressure during artificial ventilation. In the mid 2000's, the company launched the FABIAN Neonatal and Pediatric family of ventilators, powerful, small size, sophisticated high quality instruments, used both in the Neonatal and Pediatric intensive care units as well as for patient transport. Together with important clinical experts in anaesthesia, ENT, thoracic surgery and neonatology, ACUTRONIC Medical Systems AG develops new innovative solutions for the daily clinical routine with an eye for technology, patient and operator safety. All products carefully engineered and built in Switzerland, to care for your patients, everywhere.

Specifications and features subject to change without notice.

CE 0124

Your Acutronic authorized representative:



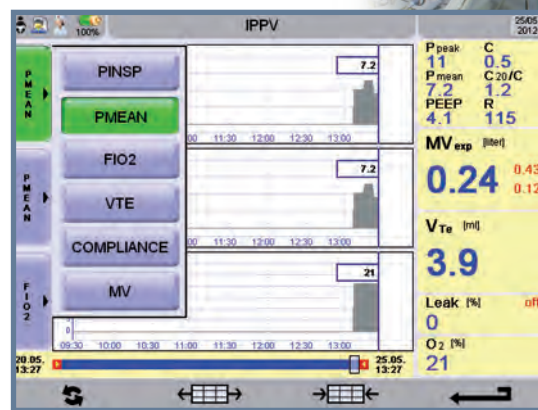
Fabrik im Schiffli | CH-8816 Hirzel
 Phone +41 (0)44 729 70 80
 Fax +41 (0)44 729 70 81
 info@acutronic-medical.ch | www.acutronic-medical.ch

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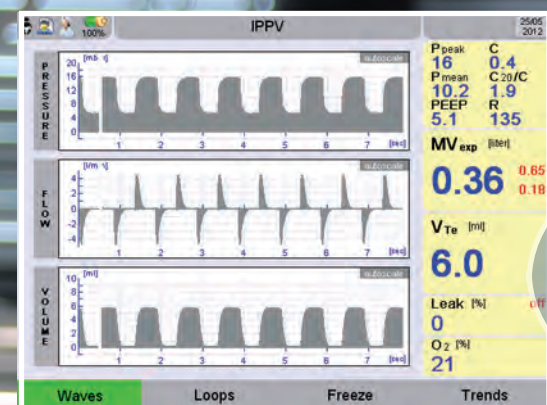
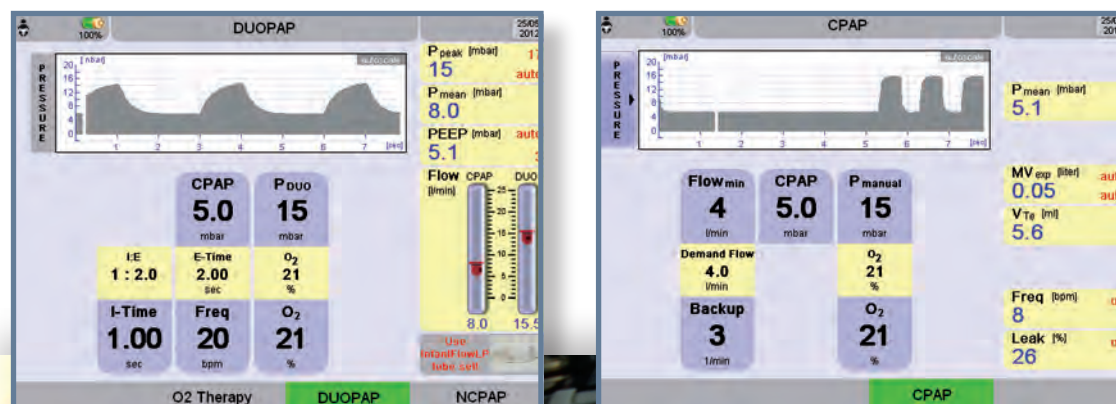
fabian evolution: Powerful, Reliable, Compact... and Portable!

The universal essential ventilator from **Acutronic**, the ultimate workhorse for your ventilation needs, ideal for your NICU, PICU and transport applications. All required ventilation modes packed in a small, yet powerful package that will handle with care babies or children from zero to 30 kg of weight.

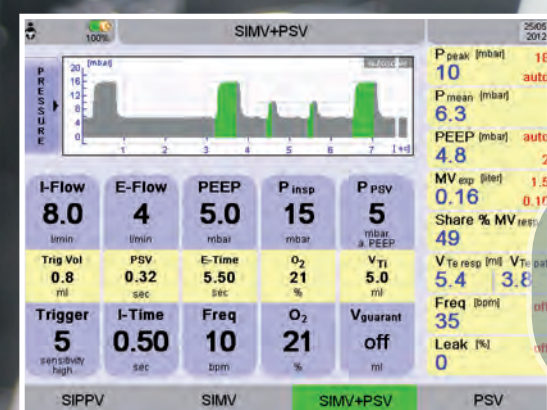


Easy and selectable choice of trends, from 5 min to 5 days.

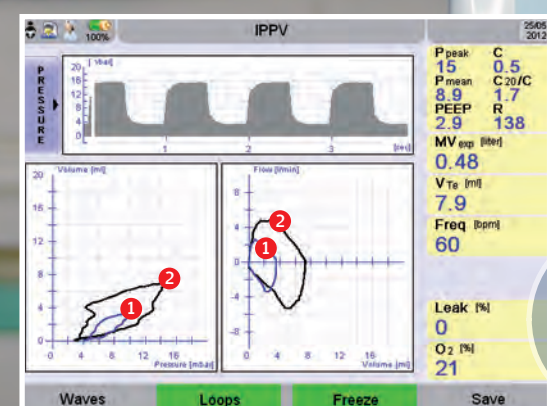
New generation "Volume guarantee", nCPAP and DuoPAP modes, for nasal ventilation, with leak compensation, two-level CPAP mode improves CO₂ removal, featuring demand CPAP with backup strokes from 1 to 5.



An other achievement of a true modular system from Acutronic, a wide choice of ventilation modes for most of your needs, choose your needed mode, add and "enable" more when desired, at any time.



All needed Neonatal and Pediatric conventional ventilation modes (IPPV, SIPPV, SIMV, SIMV+PSV, PSV), and non-invasive ventilation modes (nCPAP, CPAP, DuoPAP), with triggered independent setting of inspiratory and expiratory flow, reduces work of breathing and inadvertent PEEP. Also available O₂ therapy mode with high flow nasal cannula (HFNC).

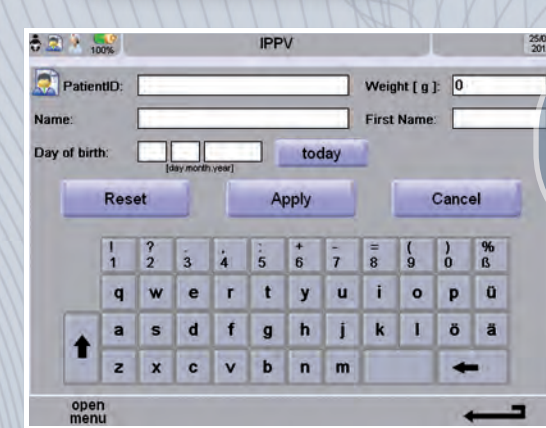


Graphic waveforms, flow-volume, pressure-volume graphs in real time, with the included respiratory mechanics module, clinically useful, overlay pre-post treatment loops (i.e. surfactant).

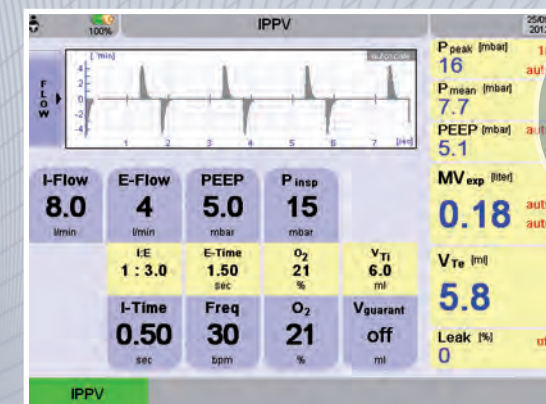
1= PRE treatment 2= POST treatment



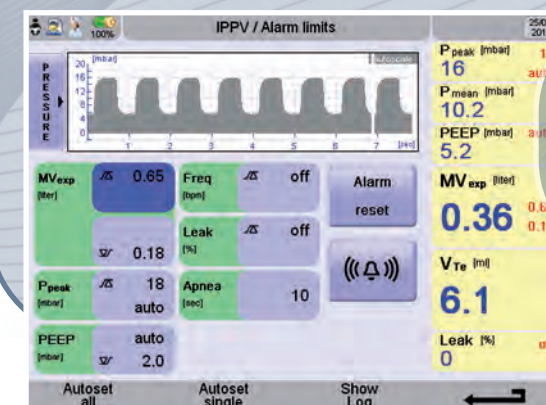
Safe, friendly, easy to use.



In a small compact ventilator you get amazingly clear, bright display, interactive touch-screen TFT with "One Touch" settings, full alphanumeric keyboard, simple, direct, intuitive commands and menus.



All the screens are clear and easy-to-read in all environmental conditions with graphs, waveforms, numeric data, loops, ventilator status, all clearly displayed and represented, with color coded status areas.



Your patients will breathe safely with intelligent manual and automatic alarm limits settings, pressure monitoring, ETT leak detect alarm, visual and acoustic warnings for all parameters and ventilation conditions as well as battery power status.