

fabian HFO



Experience in ventilation,
introducing the fabian HFO

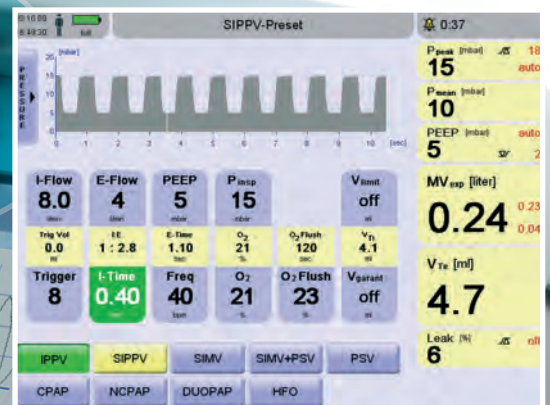
The
to all your
and
solution
neonatal
pediatric
ventilation
needs

fabian HFO: Modular, Powerful, Versatile.

Introducing the flagship of the ACUTRONIC FABIAN FAMILY.

The FABIAN HFO, a ventilator developed specifically for the NICU and PICU needs, packed with many great features and unique technology.

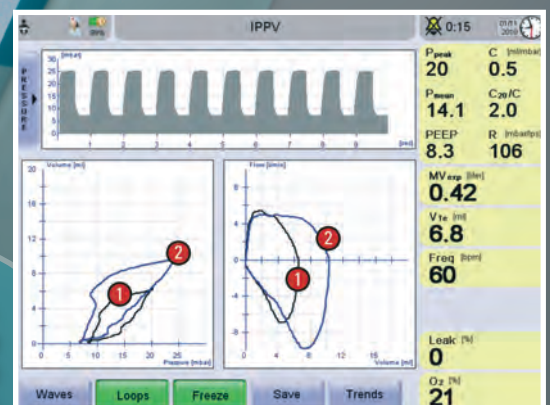
A true modular system with choice of ventilation modes for your needed ventilator configuration, more can be added and "enabled" when desired, at any time.



Neonatal and Pediatric ventilation modes (IPPV, SIPPV, SIMV, PSV and CPAP), independent adjustment of inspiratory and expiratory flow, reduces work of breathing and inadvertent PEEP.



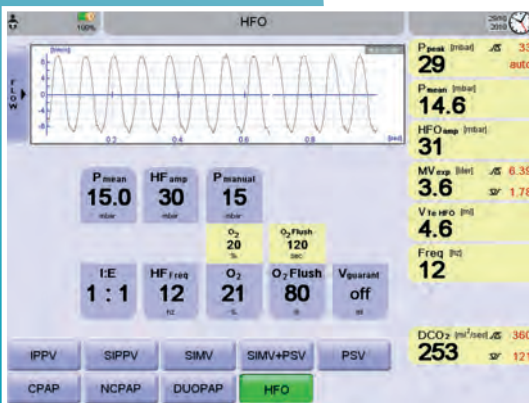
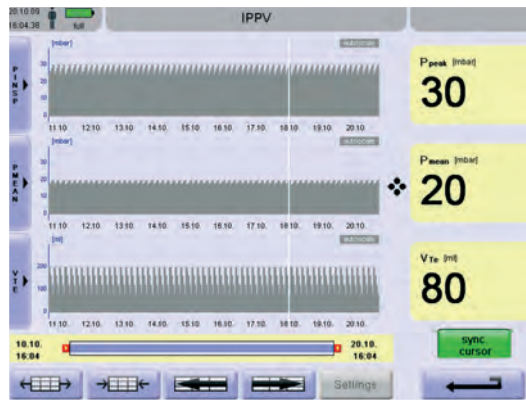
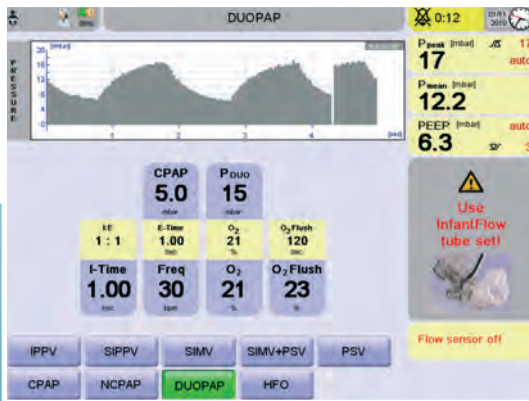
Real time graphic waveforms, trend screens, respiratory mechanics module, overlaid pre-post treatment loops (i.e. surfactant).



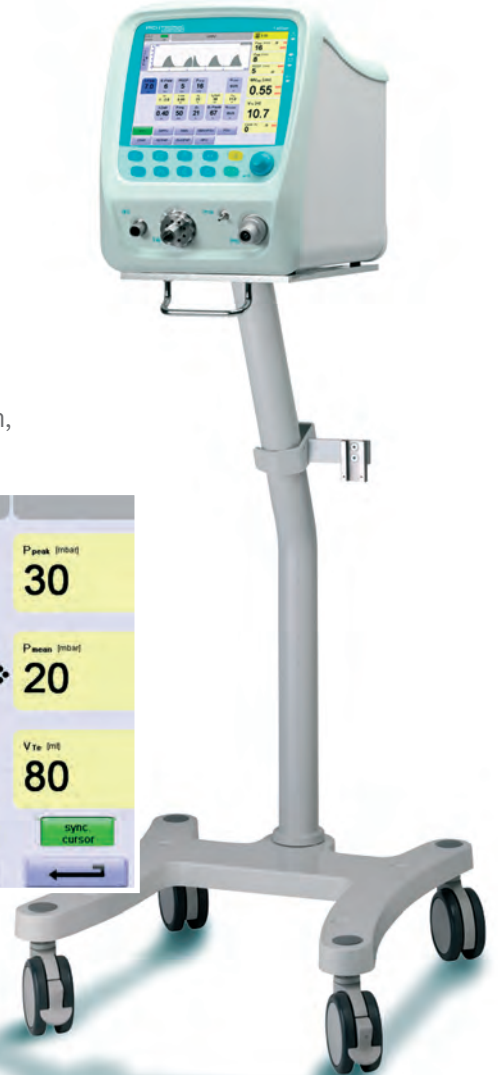
1 = PRE treatment 2 = POST treatment

fabian HFO: Modular

The nCPAP and DuoPAP modes, for nasal ventilation, with leak compensation, featuring two-level CPAP mode to improve CO₂ removal.



Silent HFO mode (true High Frequency Ventilation, oscillatory membrane with active expiration), combined with Volume Guarantee mode, to maintain and deliver a consistent and adaptable tidal volume for your patients. Lung function monitoring during HFO.



fabian HFO

, Powerful, Versatile.

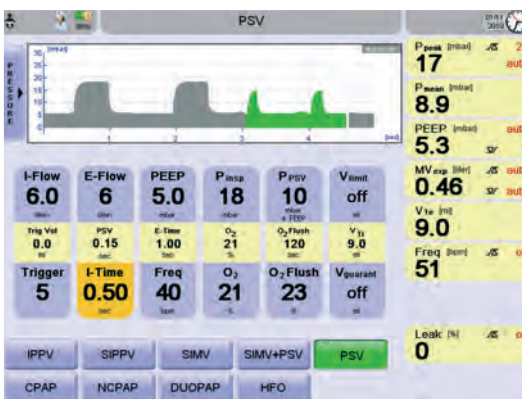
Safe and easy to use.



Clear, bright, large touch-screen TFT display with “One Touch” settings, interactive full alphanumeric keyboard, simple, direct, intuitive commands and menus.



Alarm limits		
MV _{exp} [l/ter]	↗	1.2
0.55	↘	0.33
P _{peak} [mbar]	↗	30
22		auto
PEEP [mbar]		auto
5.3	↘	2
Freq [bpm]	↗	off
50		
Leak [%]	↗	off
0		
Apnea [sec]		10



Easy-to-read screens in all environments, see waveforms, numeric data, loops, ventilator status, clearly displayed and represented, with color coded status zones.



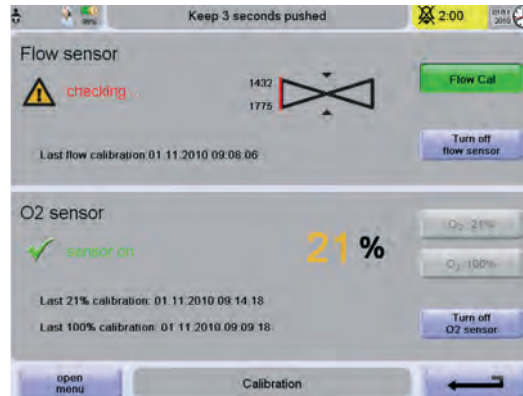
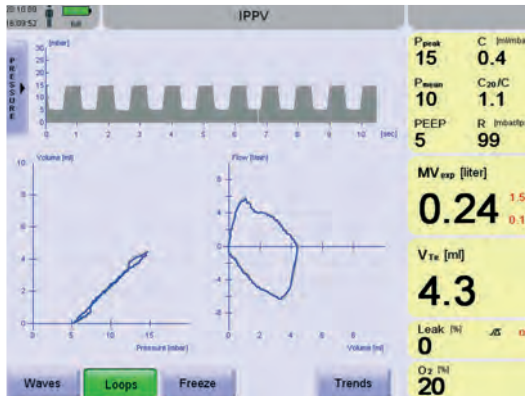
Manual and Automatic alarm limits settings, ETT leak detect alarm, visual and acoustic warnings for parameters and ventilation conditions, battery power.



fabian HFO

Monitoring and advanced functions

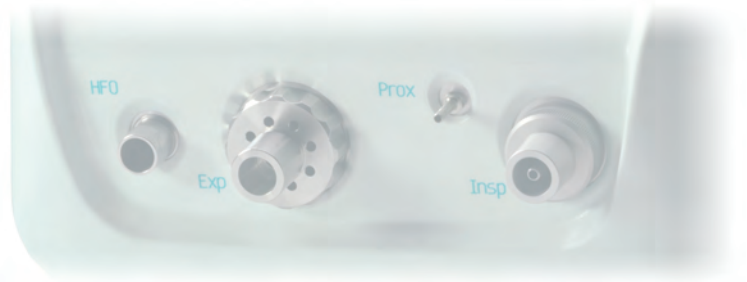
- › Flow, volume, pressure loops, FiO₂ monitoring, all parameters available at a glance.
- › Real time lung function loops, freeze function.
- › Continuous verification of flow, O₂ sensor conditions and ventilator functions.
- › Aeroneb Micropump Nebulizer option for optimal medication delivery, by Aerogen.



- › In-line EtCO₂ (mainstream and sidestream) option.
- › Option for video-assisted intubation, with pop-up screen.

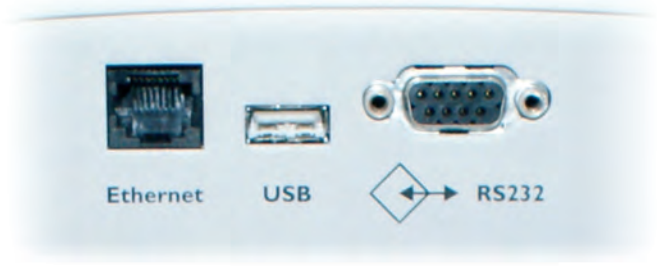


- ### Transportable
- › A compact, lightweight unit, designed for easy, safe and practical transport inside or outside the hospital, with integrated gas blender.
 - › Built-in backup battery pack for up to 2.5 hours of self-powered operation.
 - › Optional compressor module.



Upgradeable technological platform, Easy to check:

- › Built in microprocessor, multi-language, guaranteed non-obsolescence, all connections clearly placed and easily accessible.
- › Digital Interface with most Hospital Information Systems, download ventilation and monitoring data.
- › “Service mode” with remote diagnostics via USB port, standard Ethernet connection.
- › New ventilator 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, including HFO ventilation.
- › Fits most brands of prongs, nasal cannulas or masks from other manufacturers.



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 newborn children. 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 unit as well as for patient transport inside and outside the hospital. 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.

Specifications and features subject to change without notice.

CE 0124

Your Acutronic authorized representative:

ACUTRONIC 
Medical Systems AG Swiss made

Fabrik im Schiffli | CH-8816 Hirzel
Phone +41 (0)44 729 70 80
Fax +41 (0)44 729 7081
info@acutronic-medical.ch | www.acutronic-medical.ch