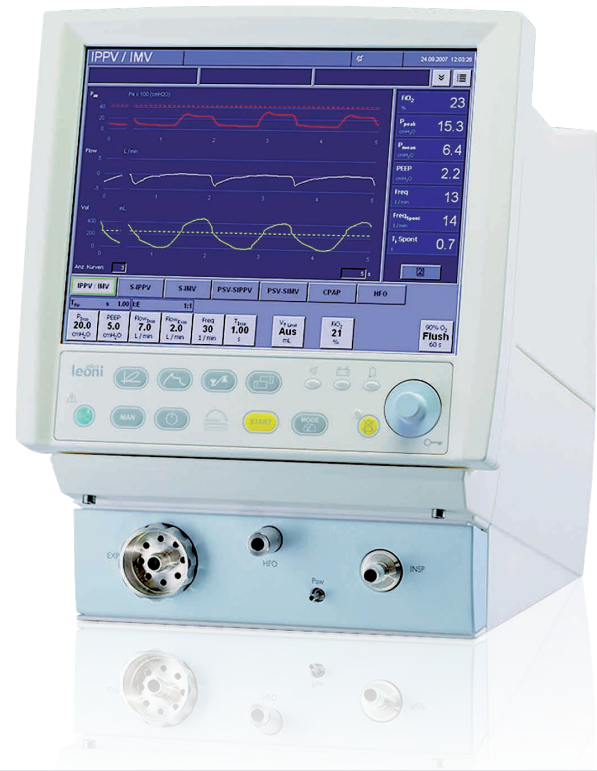


LEONI PLUS

Intensive care ventilator for premature infants and children

Homecare
Pneumology
NEONATOLOGY
Anaesthesia
Intensive Care Ventilation
Sleep Diagnostics
Service
Patient Support

Innovative ventilation technology for the special



LEONI PLUS

Leoni plus is suitable for long-term ventilation of very small premature infants, neonates and children weighing up to 30 kg. In addition to the basic ventilation modes CPAP, IPPV/IMV, SIPPV and SIMV, the device also features two PSV ventilation modes. Furthermore, the Volume Limit function can be used to restrict tidal volume delivered. In assisted ventilation modes there is a volume-controlled tidal volume guarantee available.

The precision hot-wire flow sensor at the patient end allows automatic readjustment of trigger sensitivity relative to the patient's tidal volume (VT trigger adaptation).

The extremely powerful, integrated high-frequency module Leoni HFO is of the diaphragm type. The frequency range is between 5 Hz and 20 Hz. HFO can be performed with all standard tube systems. Amplitude control is regulated and compensates for any leaks or compliance changes.

Control of the device, which is extremely easy and intuitive, can be either from a 12" color display or using a control knob. To ensure optimum ergonomic adaptation to space available in the ward, the display can be removed and attached directly to the thermotherapy device.

All essential settings, readings, alarm limits and graphic information, such as waves and loops, are available at a glance. The display can be configured by the user according to personal requirements. For example, the number of waves and loops and the readings shown are freely selectable.

BENEFITS OF LEONI PLUS:

- HFO according to the membrane principle
- Volume-controlled ventilation and PSV ventilation
- Separate nCPAP and nIPPV modes for non-invasive breathing support with premature and full-term infants
- VT trigger adaptation (10 sensitivity levels)
- 12" colour display with all essential settings and values visible at a glance
- Simultaneous display of up to three curves and two loops; graphic display of triggered spontaneous breaths; graphic trending; event log
- Oxygen / compressed air mixer (21–100 %)
- Integrated oxygen monitor

The images contain optional accessories which can be ordered in addition.
(Please inquire further information.)

requests of our smallest patients.



AIRCON

The Aircon respiratory gas humidifier combines modern technology and innovative design in a high performance unit. Thus, it fulfils the medical requirements and the economic expectations of the market.

The result is optimal physiologically conditioned respiratory gas, which protects the mucous membranes of the ventilated patient from drying out and prevents interference with the mucocilliary clearance.

- Logical menu navigation
- Self-explanatory through symbols and pictograms
- Standby function for necessary therapeutic applications
- 3 function modes (IV, NIV, FREE)
- "Overboost" function for the expiratory side
- Suitable for single and double breathing tube systems for nearly all ventilators
- With temperature sensor and heating-wire distributor cable
- Intelligent alarm management
- Automatic water level monitoring
- Incident and alarm protocol

aircon

NEOJET SYSTEM

The nCPAP system for premature infants and babies.

In conjunction with the Heinen + Löwenstein Neo-Jet™ System, Leoni plus can also be used to apply nCPAP or even non-invasive IPPV.

The NeoJet™ System expands the range of applications of Leoni plus to include non-invasive CPAP. When nasal prongs or nasal masks are used, Neo-Jet is virtually non-invasive, without reducing the size of the airway openings. 5 prong sizes and 2 mask sizes in conjunction with 7 bonnets allow customization to suit the small patient.

On Leoni plus the required CPAP can be directly adjusted, monitored and even kept constant if leakages or compliance levels fluctuate.

NeoJet™

Heinen + Löwenstein WORLDWIDE

