

SLE2000

Infant Ventilator



When the smallest thing matters

SLE2000 - The Reliable Solution for Infant Ventilation

For many years, the SLE2000 has set the standard in neonatal ventilation.

Using a unique valveless system, the principle of operation of the SLE2000 helps to eliminate inadvertent PEEP, and aid in the total clearance of expired gases.

- ✓ Ability to maintain pressure waveforms at all rates
- ✓ Sensitive airway pressure trigger
- ✓ Comprehensive alarm system
- ✓ Built in oxygen analyser with continuous digital readout
- ✓ Clear and easily set controls
- ✓ Excellent pressure square wave means rapid inflation
- ✓ High pressure dump on alarm
- ✓ Exhaled gases can be filtered
- ✓ Tamper-proof pneumatic controls
- ✓ Optional auxiliary blended flow outlet
- ✓ Choice of square or slow rise time (switch selectable)
- ✓ Can be used with Nitric Oxide therapy
- ✓ Easy to clean
- ✓ Low maintenance costs

The smallest thing does matter...

The SLE2000 is specifically designed for neonatal and infant patients. It allows the user to deliver conventional ventilation i.e. CPAP, CMV, PTV or SIMV.

Exceptional pneumatic performance is further enhanced by a patented valveless system.

The valveless system gives the SLE2000 many advantages over conventional ventilators including a less complicated patient circuit with no diaphragms or other obstructions in the exhalation limb of the circuit, helping to reduce expiratory resistance.

All of which makes it easier to assemble and clean and ultimately reduces the potential for errors or wrong assembly.

Customer Support

Throughout the 50 plus year history of SLE, the company has always put customers and patients first.

We believe that developing life-support equipment should not be taken lightly, and that only the highest quality engineering is acceptable for our products.

Downtime is not desirable in the modern NICU. Logical product design means that routine servicing can be carried out quickly and effectively.

Our teams of qualified engineers support our distributors and end-users world-wide to ensure that your SLE product is always available for optimum performance.

Clinical Education

We know that a ventilator is a vital part of your equipment and that you need to feel comfortable using it. That's why we employ experienced Clinical Specialists in our Clinical Education Department.

These Specialists support our world-wide network of distributors and can help you become more familiar with your SLE products.

“The valveless system makes it easy to clean and assemble”

Pressure Display

High intensity LEDs show pressure changes.

Mode Selector

Switches between modes.

Alarm panel

Control and manage all alarms.

Patient connection panel

All patient connections are on the front panel for easy access.

System Pressure controls

Large, lockable knobs for easy adjustment.

Oxygen Control

Easy-to-use Oxygen control.



Ordering details

Z2002/FL	SLE 2000 with single-use patient circuits (International)
Z0002	RS-232 serial port
Z0003	0-15 l/min blended output
Z0004/01	Factory fitted modification to allow BPM range of 126 - 250 BPM
Z0005	External moisture trap (on air supply only)
N2391	Patient Circuit - Re-usable (10 mm) (Other types available on request)
N2587/000/050	Bacteria Filter - Single use (Box of 50)
N2029	Bacteria Filter - Autoclavable
N2186	Silencer - Autoclavable
N2190	Exhalation block - Autoclavable
N2002/FL	Service manual
N2000/FL	User manual
N2001/FL	Quick Setup Guide

Compressor

A free-standing air compressor is also available for use with the SLE2000. Please see your local distributor for further details.

BC2188/400/15

Single use breathing circuit for use with SLE2000 and SLE2000 HFO infant ventilators. Temperature port 400 mm from ET manifold (single use). Circuit comes complete with water trap, filter connection kit and adaptors.
(Box of 15)

BC6216

Nitric Oxide delivery kit, set of connectors (Paediatric delivery).

BC2508

Nebuliser kit (Paediatric delivery).

BC2110/KIT

Nitric Oxide adaptor kit for BC2188/400 breathing circuits (SLE2000 and SLE2000 HFO infant ventilators).
(Box of 5)

N4110

Nitric Oxide dual hose scavenging filter assembly for SLE2000 infant ventilators.
(Box of 1)

Ventilator Controls

Modes:	Off/Alarm Test, CPAP, CMV, PTV, SIMV
Breathing Rates:	1 - 125 (126 - 250 with Option Z0004)
Max Inspiratory Time:	0.1 - 3.0 seconds (0.01 - 0.3 seconds with Option Z0004)
I.E. Ratio:	9.9:1 to 1:99 calculated from BPM and Ti settings
Pressure Wave:	Slow or fast rise, switch selectable
Manual Breath:	Gives single breath in CPAP, CMV, PTV, SIMV modes
PTV Sensitivity:	Adjustable threshold
Oxygen Blender:	21 - 100% O ₂ ± 3%
Pressure Display	
Switch:	Max - Mean - Min
CPAP Regulator:	Range: 0 - 15 mbar
Inspiratory Pressure Regulator:	0 - 60 mbar
Alarm Mute:	60 seconds
Alarm Reset:	Resets all alarms (except system fail)

Indicator LEDs

Power:	Green LED, Power on
System Fail:	Red LED, Main processor system fail
Trigger Back up:	Green LED, Indicates a machine delivered breath

Proximal airway LED

Pressure meter:	Range -4 to +62 mbar
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Digital

BPM Display:	Breaths per minute
Insp Time Display:	Inspiratory time
IE Ratio:	Inspiration/Expiration ratio
FIO ₂ :	Oxygen percentage 21 - 100%
Pressure:	0 - 62 mbar

Gauge

Driving Pressure Gauge:	0 - 60 mbar plus PEEP level
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Alarms

CPAP:	Visual and intermittent audible
PIP / Cycle Fail / Low:	Visual and intermittent audible
Fresh Gas Block or Leak:	Visual and continuous audible
Loss of Mains supply:	Battery powered, audible
Loss of Air or O ₂ supply:	Pneumatic, audible from blender
System Fail:	Visual and intermittent audible

Supplies, Dimensions and Weights

Air and O ₂ :	3 - 5 bar
Voltage:	100-120 V 50/60 Hz 220-240 V 50/60 Hz
Power:	120 VA
Fuses:	100-120 V = T500 mA 220-240 V = T200 mA
Protection:	Class I Type B
Size, ventilator only:	37 cm W x 31 cm H x 32 cm D
Height on pole:	137 cm
Weight, ventilator only:	10 kg

Designed and manufactured to conform to all relevant international standards for medical devices.

Data subject to change without notice.

SLE is a world leader in the design and manufacture of neonatal ventilation systems.

Years of ventilation experience have given the company an understanding of the challenges facing nurses and clinicians when caring for the tiniest and most critical babies.

From being the pioneers of neonatal Patient Triggered Ventilation (PTV) in the early 1980's, to the introduction of combined HFO (High Frequency Oscillation) in the 1990's, SLE has maintained a position of strength in neonatal ventilation.

The company's guiding principle is to support clinical and nursing staff in their everyday work.

The knowledge and experience gained during years of development is evident in the SLE2000: the result of SLE's ongoing commitments to innovation, competency and care.



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