

#### Core Invasive Ventilation

► CPAP (Dual limb, ET)				
Inspiratory Time (Ti)	0.1 to 3.0 s			
CPAP	0 to 35 mbar			
PIP	0 to 65 mbar			
O2 Concentration	21 to 100%			
> Additional Parameters				
RR Backup	1 to 150 BPM			
Rise Time	0 to 3.0 s			
Trigger Sensitivity				
with flow sensor:	0.2 to 20 I/min			
without flow sensor:	1 to 100%			

#### ▶ PTV & PSV (Dual limb, ET)

Respiratory Rate (RR)	1 to 150 BPM		
	I LO IOU BEIM		
Inspiratory Time (Ti)	0.1 to 3.0 s		
PEEP Pressure	0 to 35 mbar		
PIP Pressure	0 to 65 mbar		
Volume Targeted Ventilation (VTV)	(Added with VTV module) 2 to 300 ml $^{\dagger}$		
O2 Concentration	21 to 100%		
> Additional Parameters			
Rise Time	0 to 3.0 s		
Trigger Sensitivity			
with flow sensor:	0.2 to 20 I/min		
without flow sensor:	1 to 100%		
Fermination Sensitivity (% of peak insp flow) (PSV only)	5 to 50%		
PEEP Pressure PIP Pressure Volume Targeted Ventilation (VTV) O₂ Concentration ▷ Addition Rise Time Trigger Sensitivity with flow sensor: without flow sensor: fermination Sensitivity (% of peak insp flow)	0 to 35 mbar 0 to 65 mbar (Added with VTV module) 2 to 300 ml † 21 to 100% <b>al Parameters</b> 0 to 3.0 s 0.2 to 20 l/min 1 to 100%		

## CMV (Dual limb, ET)

Respiratory Rate (RR)	1 to 150 BPM	
Inspiratory Time (Ti)	0.1 to 3.0 s	
PEEP	0 to 35 mbar	
PIP	0 to 65 mbar	
Volume Targeted Ventilation (VTV)	(Added with VTV module) 2 to 300 ml $^{\dagger}$	
O2 Concentration	21 to 100%	
> Additional Parameters		
Rise Time	0 to 3.0 s	

#### ▶ SIMV (Dual limb, ET)

Respiratory Rate (RR)	1 to 150 BPM	
Inspiratory Time (Ti)	0.1 to 3.0 s	
PEEP	0 to 35 mbar	
PIP	0 to 65 mbar	
Volume Targeted Ventilation (VTV)	(Added with VTV module) 2 to 300 ml $^{\dagger}$	
O2 Concentration	21 to 100%	
> Additional Parameters		
Rise Time	0 to 3.0 s	
P Support	0 to 65 mbar	
Trigger Sensitivity		
with flow sensor:	0.2 to 20 l/min	
without flow sensor:	1 to 100%	

# The SLE6000c NICU Ventilator Specifications

The SLE6000 is a full specification NICU infant care ventilation system. Compact in design, it offers conventional modes with additional options for Non-Invasive Ventilation (NIV), and High Flow Oxygen Therapy (HFOT).

SpO<sub>2</sub> and EtCO<sub>2</sub> monitoring options are supported with the addition of plug-in modules. OxyGenie<sup>®</sup> (Auto FiO<sub>2</sub>) is an optional integration.

Termination Sensitivity

(% of peak insp flow)

Non-Invasive Ventilation

Inspiratory Time (Ti) 0.1 to 3.0 s

O2 Concentration 21 to 100%

Inspiratory Time (Ti) 0.1 to 3.0 s

O2Concentration 21 to 100% ▷ Additional Parameters RR Backup 1 to 10 BPM Trigger Sensitivity 1 to 100%

Respiratory Rate (RR) 1 to 150 BPM Inspiratory Time (Ti) 0.1 to 3.0 s

> O<sub>2</sub>Concentration 21 to 100% Additional Parameters Rise Time 0 to 3.0 s

Respiratory Rate (RR) 1 to 150 BPM

Inspiratory Time (Ti) 0.1 to 3.0 s

O<sub>2</sub>Concentration 21 to 100% Additional Parameters Rise Time 0 to 3.0 s Trigger Sensitivity 1 to 100%

5 to 50%

Termination Sensitivity parameter is not shown when pressure support (P Support) is off.

nCPAP D (Dual limb) for passive nCPAP interfaces e.g. SLE Miniflow

> CPAP 0 to 35 mbar PIP 0 to 65 mbar

Additional Parameters RR Backup 1 to 10 BPM Rise Time 0 to 3.0 s Trigger Sensitivity 1 to 100%

nCPAP S (Single limb) for active (fluidic-flip) nCPAP interfaces (e.g. SLE1000 generator, Infant Flow or First Breath™) and other single tube interfaces

> CPAP 2 to 15 mbar PIP 2 to 25 mbar

NIPPV D (Dual limb)

PEEP 0 to 35 mbar PIP 0 to 65 mbar

▶ NIPPV Triggered (Dual limb)

for passive nCPAP interfaces e.g. SLE Miniflow

PEEP 0 to 35 mbar PIP 0 to 65 mbar

► High Flow Oxygen Therapy (Single limb) Flow Rate 2 to 30 l/min O2 Concentration 21 to 100%

### Misc. Specifications

Flow sensor type: (Electrically isolated)	10 mm dual-hot-wire anemometer. (Single-use or autoclavable versions).			
Applied part	Type BF			
Flow rate	0.2 to 30 I/min			
Accuracy	±8% maximum			
Dead space	1 ml			
Weight	10 g			
► Flow				
Flow rate 0 to 99 l/min				
► Volume				
Expiratory tidal volume	0 to 999 ml			
Expiratory minute volume	0 to 18 L			
Measured Parameters				
Leak	0 to 99%			
Respiratory rate	0 to 999 BPM			
Compliance	0 to 99.9 ml/mbar			
C20/C	0 to 9999			
Resistance	0 to 999 mbar/(l/s)			
Inspiratory time	0 to 9.99 s			
Expiratory time	0 to 9.99 s			
Vmin	0 to 99.99 l			
Trigger resolution	1			
Vte	0 to 99.9 ml			
DC02	0 to 9999			
I:E Ratio	1:9.9 to 9.9:1			
Oxygen concentration	0 to 999%			
Peak pressure	0 to 999 mbar			
PEEP pressure	0 to 999 mbar			
Mean pressure	-999 to 999 mbar			
Delta P	9 to 999 mbar			
Trending	Data logged @ 1 Hz			
	ined under ATPD (ambient ressure, dry) conditions.			

Power AC			
Mains voltage	100-240V / 50-60Hz		
Power	115 VA		
Fuses (x2)	T2.5AH 250V (5x20 mm)		
Battery back-up	Typical 3+ hour battery life (in all modes) in normal use		
Battery charging	Full charge: 18 hours 80% charge: 8 hours		
► Power DC			
Voltage	24V 4A		
Operating Environment			
Temperature	+10°C to +40°C		
Relative Humidity	10 to 90% (non-condensing)		

<sup>†</sup> VTV control, when enabled, becomes Vte Target control.

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# The SLE6000c NICU Ventilator Specifications

#### Misc. Specifications

▶ Dim	nensions				
Size, ventilator only	w 330 mm x h 369 mm x d 548 mm				
Height on pole	1310 mm				
Weight (Ventilator only)	≤ 22 kg				
Pneumat	ic Connectors				
Exhalation port 15 mm F / 22 mm M conical (ISO5356-1)					
Proximal airway	5 mm non-conical				
Fresh gas port	15 mm M conical (ISO5356-1)				
Nebulizer port (on rear)	5 mm non-conical				
<ul> <li>Classification (Electrical)</li> </ul>					
Type of protection against electric shock:	Class 1 Unit must be earthed.				
Degree of protection against electric shock:	Type BF, applied part				
Connectors	(Rear mounted)				
RS232 & U	SB data ports				
Disp	lay port				
USB Power p	ort for nebuliser				
Nur	se Call				
	DC input				
SpO <sub>2</sub>	& etCO <sub>2</sub>				
	t networking port				
► IP	Rating				
Type of protection against ingress of water	IP21				
Environm Con	ental Storage ditions				
Ambient Temperature	-20°C to +50°C				
Relative Humidity	10% to 90%				
,	non-condensing				
,	non-condensing nd levels				

Sound pressure level 49 dBA

#### **Optional Module Features**

► SpO <sub>2</sub>			
Displayed para	meters	of oxyhae functiona	n (fraction emoglobin to al haemoglobin), e, Signal IQ and logram
	Trends	SpO <sub>2</sub> and previous	d Pulse rate for 14 days
Measuring m	nethod	Absorpti spectrop	on bhotometry
Ventilator con	inector		e plug (red). from ventilator.
Dimensions	s (mm)	24 (h) x 3	33 (w) x 92 (I)
Weight (exc s	cluding sensor)	0.122 kg	
	Fractic SpO <sub>2</sub> (S		Pulse Rate (BPM)
Display Range	0% - 10	0%	25 - 240 BPM
Calibration range	70% - 1	00%	25 - 240 BPM
No motion accuracy (rms)	± 2.0%		± 3.0 BPM
Motion accuracy (rms)	± 3.0%		± 5.0 BPM
Resolution	≤ 0.1%		≤1BPM
Averaging time (seconds)	2-4, 4- 12, 14, 16		-

► EtCO <sub>2</sub>		
CO <sub>2</sub> units	User selectable (mmHg or kPa or Vol%)	
EtCO <sub>2</sub> range	0-99.9 mmHg	
EtCO <sub>2</sub> resolution	1 mmHg	
CO <sub>2</sub> accuracy	0-38 mmHg: ± 2 mmHg 39-150 mmHg: ± (5% of reading + 0.08 x [reading - 39 mmHg])	
CO <sub>2</sub> sampling flow rate	50 ml/min (+15 ml/ min, -7.5 ml/min) flow measured by volume	
Waveform sampling	20 samples/s	
Initialisation time	40 s (typical, includes power-up and initialisation time)	
Ventilator connector	ODU-type plug (yellow). Powered from ventilator.	
Dimensions (mm)	70 (w) x 93.3 (l) x 50.3 (h)	
Weight	240 g	

#### ► OxyGenie®

Controls	Adds additional (start/stop) option to $FiO_2$ parameter controller. Range selector in SpO <sub>2</sub> utilities menu. Ranges are: 90 - 94%, 91 - 95% (default), 92 - 96%, 94 - 98% Manual override (timed, for 30 seconds)		
Waveforms	Additional SpO <sub>2</sub> screen can show any one ventilation parameter plus plethysmogram and trends of SpO <sub>2</sub> and FiO <sub>2</sub> .		
Alarms	Alarms automatically set on SpO <sub>2</sub> software, corresponding with target range (1% above high and 1% below low). Can be manually set as well. Alarm indications shown in Alarm bar. Alarm level indicators on SpO <sub>2</sub> and FiO <sub>2</sub> graphs.		
Indicator	Status panel shows OxyGenie status such as 'Auto', 'Manual Override' (with countdown) or 'Waiting for Signal'.		
Trends	Trending information for $SpO_2$ and $FiO_2$ can be shown simultaneously. Up to 14 days of data are stored for each parameter.		

For further specifications & operating temperature, pressure and humidity ranges for  ${\rm SpO}_2$  and  ${\rm EtCO}_2$  please see User Manuals.

An IntelliBridge module is also available

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