

Stephanie

Technical Specifications

General specifications	
MPG class	II b
Dimensions	370* x 360 x 430 mm (WxHxD) * plus 90 mm patient section
Weight	31 kg
Power supply	
Mains	115-230 V AC, 50-60 Hz, 170 VA
Battery	24 V DC, approx. 5 min
Gas supply	
AIR	3 - 6 bar + 0,5 bar
O ₂	3 - 6 bar + 0,5 bar
Operating modes	
Volume-controlled	Square wave, sinus, decelerating
Pressure-controlled	Linear, half sinus, square wave
Ventilation modes	
CPAP	PAV
SIMV	
Assisted/controlled	PSV
Controlled	
Optional	Diagnostics
Parameters	
Operating unit	
Tidal volumes	2 ... 150 ml
Pmax	5 ... 60 mbar
PEEP	0 ... 30 mbar
Temperature	30 ... 39 °C
Inspiration time	0,1 ... 2 s
Expiration time	0,1 ... 60 s
FiO ₂	21 ... 100 %
Trigger Flow	0,1 ... 2,9 l/min
Pressure	0,1 ... 2,9 mbar
High-frequency oscillation	
Inspiration portion	square wave 33 %, 40 % 50 %; sinus
Frequency	5 ... 15 Hz (300 ... 900/min)
Amplitude	1 ... 6 (up to a max. 12 ml VTosz)
Patient section	
Safety pressure	20 ... 70 mbar
Humidification bottle	350 ml
PAV respiration mechanics	
Unloading	Mechanical respiration relief
Unloading	
Elastic	0 ... 4 mbar/ml
Resistive	0 ... 200 mbar/l/s

Monitoring	
Display	10,4" colour TFT
Pressure	Pmax, Pmean, Peep, Posz
Volume	MV, VTe, VTi, Vleak, Vo, MVo
Respiration frequency	
Inspiration portion	
FiO ₂	
Respiration gas temperature	
Resistance	
Compliance	
Graph Display	P(t), V(t), V'(t) V(P), V'(V), V'(P) Scaling Measurement function
Monitoring	
Alarms	Optical, acoustic Clear text messages
Pressure	Pmax, Posz, Peep, Pmean
Volume	MV, VTe, MVo
FiO ₂	
Respiration gas temperatur	
Apnois	
Data outputs	
RS232	Vuelink PDMS Stephan protocol
Pressure connection	
Analog signal outputs	
1 ventilation pressure	
2 respiration volume flow	
3 optionally configurable	
Sensors	
Flow/volume	Pneumotachograph Type B to 10 l/min Type C to 22 l/min
FiO ₂	Electrochemical O ₂ cell
Temperatur	Temperature sensor proximal distal