

COMEN



NV8 Neonatal Ventilator Specifications

Power Specification			
External AC Power			
Input voltage	100-240V~		
Input frequency	50/60 Hz		
Input current	0.6A-0.3A		
Fuse	T1AL/250V		
Power cord	5m		
External DC Power			
Input voltage	12-24VDC		
Internal Battery Power			
Battery	1		
Power-off delay	30min or longer (as for the fully charged new battery, the ventilator will be		
Minimum power duration	240min (fully charged new battery, ambient temperature of 25°C)		
Charging duration	About 10h (in running state or standby state)		
Product Dimension			
Dimension	1300mm x 440mm x 520mm		
Weight	26kg (excluding the air compressor)		
Caster			
Caster	4-inch		
Display Screen			
Type	TFT LCD color touch-screen		
Size	8-inch		
Resolution	800×600 (pixel)		
Brightness	Adjustable		
LED Indicator			
AC power indicator	Green LED		
Battery indicator	Green LED		
Work indicator	Green LED		
Alarm indicator	1 (flash in yellow or red; when any high alarm and medium alarm occur		
Audio Indication			
Speaker	The alarm sound and key tone have multiple volume levels; the alarm sound		
Buzzer	The alarm sounds when the ventilator fails to work properly.		
Interface			
Power interface	One AC power interface		
Equipotential terminal	One equipotential grounding terminal		
Port	One RJ45 network port		
Environmental Specifications			
Main Unit			
Item	Temperature(°C)	Relative Humidity	Atmospheric Pressure (kPa)
Working	5~40	10%~95%	70~106
Transport and storage	-20°C~60°C (oxygen)	10%~95%	50~106

Performance Specifications			
Fresh Gas			
Display range and accuracy	Range of air:	0~20L/Min	
	Range of oxygen:	0~20L/Min	
	Accuracy:	±5% of the displayed value	
Interface and Joint			
Insp Fresh Gas Port	EN ISO53561:2004 15mm innercone joint		
Pressure sampling port	Luer taper		
Parameter Specifications			
Adjustable Range of Respirator Parameters			
Parameter	Adjustable Range	Step Size	Work Mode
CPAP	1~13 cmH ₂ O	1~3 cmH ₂ O: 0.2cmH ₂ O	NCPAP
Peep	1~13 cmH ₂ O	3~13 cmH ₂ O: 0.5cmH ₂ O	NIPPV, SNIPPV
Pinsp	3~15 cmH ₂ O	3~8cmH ₂ O: 0.5cmH ₂ O	NIPPV, SNIPPV
Papnea		8~15cmH ₂ O: 1cmH ₂ O	NCPAP
Manual vent			
Flow	0.5~20L/Min	0.5~2L/Min: 0.1L/Min	HFNC
Manual vent	3~25L/Min	3~10L/Min: 0.5L/Min	NCPAP, NIPPV, SNIPPV, HFNC
O ₂ %	21~100%	1%	NCPAP, NIPPV, SNIPPV, HFNC
Flush O ₂	±3% of the set value		
Rate	±0.5 bpm or ±1% of the set value		
Rb	±0.5 bpm or ±1% of the set value		
Ti	set value ±0.005s		
Flow	Flow: ±0.2L/Min or ±5% of the set value, whichever is greater.		
Tapnea	Error: ±0.1s		
Measuring Parameters			
O ₂ %	±2% of the actual reading		
CPAP / PEEP	±0.2cmH ₂ O or ±2% of the actual reading, whichever is greater.		
Ppeak			
Pmean			
Rsp	±1 respiration/min or ±5% of the actual reading, whichever is greater.		
Flow	±0.2L/Min or ±5% of the set value, whichever is greater.		
Oxygen Sensor			
Output	Oxygen output: 9-13mV (at 210hPa)		
Range and accuracy	0~100%, ±2%		
100% oxygen signal deviation	100±1%		
Resolution	1hPa O ₂		
Expected service life	1.5×10 ⁶ measurement hours (at 20°C)		
Response time (21% air - 100% oxygen)	<15s		
Linearity	Linear 0-100% O ₂		

Working temperature	-20°C~+50°C
Temperature compensation	0-40°C (±2% fluctuation)
Atmospheric pressure	50~200KPa
Relative humidity	0~99%
100% oxygen concentration output drift	Typical value beyond one year: <5%
Material	White ABS
Package	Sealed package
Validity	13 months (or shorter if any of our requirements is
Alarm	
Alarm sound pressure	45dB-85dB
Maximum sound pressure for high alarm	82dB
Maximum sound pressure for medium alarm	80dB
Maximum sound pressure for low alarm	79dB

CFDA CE₀₁₂₀



Specifications subject to change without notice

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