



ESNLF-200A PLUS Neo-CPAP System

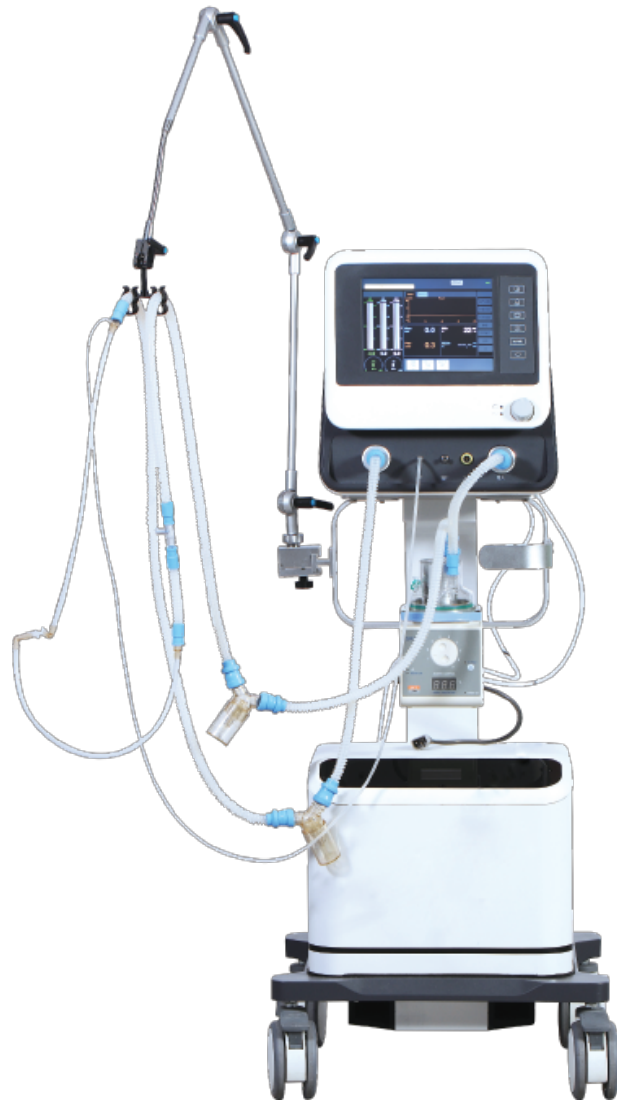


INTENSIVE CARES



ESNLF-200A PLUS

Neo-CPAP System



Application

- Continuous Positive Airway Pressure (CPAP) nurtures and supports infant breathing by providing respiratory support throughout the respiratory cycle.
- Neo-CPAP System maintains the infant's functional residual capacity by helping to prevent airway closure.
- Neo-CPAP System features an ergonomic and uncluttered touch-screen interface, enabling the clinician to quickly and easy access the current patient status.
- With the advantages of compact device, small footprint, saving energy and integrated high-performance in operation. This makes it an ideal companion for your smallest patients in the Neonatal Intensive Care Units (NICU), emergency ward, delivery room and other departments.

Trust Point

- 10.4 Inch TFT touch LCD screen displays the ventilation parameters, alarm information and oscillogram.
- Better work of breathing: Integration breathing circuit design, maximize lung protection and breathing support.
- Increase clinician's confidence in Neo-CPAP: Multiple parameters monitoring interface, makes every parameter clear, let users know the patient conditions in all aspects.
- Real time pressure-time oscillogram and high precision O₂ concentration detection function included, reduces length of stay in hospital.
- Built-in air and oxygen blender, ensures stable oxygen concentration.
- Stable and low noise air compressor creates quiet work environment for doctors, can be used for 2-3 Neo-CPAP Systems together.



Intuitive operation

10.4 Inch LCD touch screen displays measured parameters clearly and Intuitively

Minimize noise effect

Reducing noise to 50dB during using, to keep the ward quiet

Multilevel Filtration-purification system

Reduce in maximum the dust effect, increase of service life

Smart backup battery

With built-in backup battery, when outside power source goes off, backup power source starts to work automatically, and last 2-3 hours

Warning notice of intelligence

Three level alarm system, 9 types of visual and sound alarm system, easier for users to do some troubleshooting

Technologically advanced safety valve

Improve lung volume recruitment and maintain infant energy reserves, without the complications associated with endotracheal intubation

Minimizes airway drying and inflammation with intelligent humidification

Adjustable temperature and humidity settings, perfectly adapt the humidification settings to the special needs of little patients and environmental conditions

Easy-to-understand monitoring

The configurable touch screen display, Intuitionistic simplicity and specified approach diverse monitoring data

Mobility for intrahospital transport

Easy to move with 4 casters, easy to stop with 2 brakes in front casters



Technical Features

Ventilation mode

CPAP, NIPPV, HFNC, MANUAL, NCPAP

Parameters

Oxygen concentration	Adjusting range: 21% ~ 100% Monitoring range: 15% ~ 100%
CPAP	Adjusting range: 0cmH ₂ O ~ 15cmH ₂ O Monitoring range: 0cmH ₂ O ~ 60cmH ₂ O
Continuous flow	Adjusting range: 2 L/min~20L/min Monitoring range: 0 L/min ~ 20 L/min
Pressure monitoring	0 cmH ₂ O ~ 60 cmH ₂ O
Inhalation pressure	3 cmH ₂ O ~ 15 cmH ₂ O
Exhalation pressure	1 cmH ₂ O ~ 13 cmH ₂ O
Breath Frequency	Adjusting range: 1 /min ~ 100/min Monitoring range: 0 ~ 100 /min
Inhalation time	Adjusting range: 0.1 s ~ 15 s Monitoring range: 0 s - 15 s
Manual ventilation	Output flow: 20 L/min ± 5 L/min
Air compressor	Continuous output flow: ≥ 25L/min Peak output flow: ≥ 120 L/min

Oscillogram

P-T (pressure - time)
Flow of oxygen, air and mixed gas
Airway pressure oscillogram

Alarm and protection

The AC power failure alarm	Power failure or no connection
Internal battery backup low voltage alarm	< 11.3 ± 0.3 V
High oxygen concentration alarm	19% ~ 100%
Low oxygen concentration alarm	15% ~ 99%
High Airway pressure alarm	1.5 kPa ~ 6k Pa
Low air input pressure alarm	< 200 kPa
Low oxygen input pressure alarm	< 200 kPa
Air and oxygen blender alarm	When any gas source lack When differential pressure >0.1mPa
Compression pump alarm	Excess temperature

Working condition

Gas source	O ₂ , Air
Pressure	280 kPa ~ 600 kPa
Voltage	100 ~ 240 V
Power frequency	50 Hz ± 1 Hz

Wooden case packing size

Main components (LxWxH)	683 x 687 x 1140 mm
G.W.	85 KG
N.W.	55 KG
Air compressor (LxWxH)	505 x 566 x 615 mm
G.W.	40 KG
N.W.	20 KG



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