

## TECHNICAL SPECIFICATION

### Ventilation mode

CPAP, NIPPV, HFNC, MANUAL, NCPAP

### Parameter

Oxygen concentration	Adjusting range: 21% ~ 100%
	Monitoring range: 15% ~ 100%
CPAP	Adjusting range: 0 cmH <sub>2</sub> O ~ 15 cmH <sub>2</sub> O
	Monitoring range: 0 cmH <sub>2</sub> O ~ 60 cmH <sub>2</sub> O
Continuous flow	Adjusting range: 2 L/min ~ 20 L/min
	Monitoring range: 0 L/min ~ 20 L/min
Pressure monitoring	0 cmH <sub>2</sub> O ~ 60 cmH <sub>2</sub> O
Inhalation pressure	3 cmH <sub>2</sub> O ~ 15 cmH <sub>2</sub> O
Exhalation pressure	1 cmH <sub>2</sub> O ~ 13 cmH <sub>2</sub> 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: ≥ 25 L/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 > 0.1m Pa
Compression pump alarm	Excess temperature

### Working condition

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

### Wooden case packing size

Main components	L 683 * W 687 * H 1140 mm
G.W.	105 KG
N.W.	70 KG
Air compressor	L 505* W 566 * H 615 mm
G.W.	43 KG
N.W.	22 KG

### Other models for your reference



NLF-200A



NLF-200C



NLF-200D

The picture is for reference only. For more information, please contact Superstar Medical sales representatives.



Nanjing Superstar Medical Equipment Co., Ltd.

Address: No.6 Building, No.9 Bofu Road, Yanjiang Industrial Development Zone, Liuhe District, 211505 Nanjing, P. R. China.

Tel: +86-25-69658833 Mobile: +86-15951815673 Fax: +86-25-69658833

Email: info@superstar-med.com Web: http://www.superstar-med.net

# NLF-200A Plus Neo-CPAP System

*Friendly Powerful Reliable*

*Cherish your life, Cherish your health!*



NANJING SUPERSTAR MEDICAL EQUIPMENT Co., Ltd.

# NLF-200A Plus Neo-CPAP System

Friendly Powerful Reliable

## 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.
- The NLF-200A Plus Neo-CPAP System features an ergonomic and uncluttered touch-screen interface, enabling the clinician to quickly and easily 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 O<sub>2</sub> 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 specification

Parameter		Alarm and protection	
Oxygen concentration	Adjusting range: 21% - 100% Monitoring range: 15% - 100%	AC power failure alarm	Power failure or no connection
CPAP	Adjusting range: 0cmH <sub>2</sub> O - 15cmH <sub>2</sub> O Monitoring range: 0cmH <sub>2</sub> O - 60cmH <sub>2</sub> O	Internal backup battery low voltage alarm	< 11.3 ± 0.3V
Continuous flow	Adjusting range: 2L/min - 20L/min Monitoring range: 2L/min - 20L/min	High oxygen concentration alarm	19% - 100%
Manual ventilation	Output flow: 20L/min ± 5L/min	Low oxygen concentration alarm	15% - 99%
Air compressor	Continuous output flow: ≥ 25L/min Peak output flow: ≥ 120L/min	High airway pressure alarm	1.5kPa - 6kPa
Oscillogram	P-T (pressure - time)	Low air input pressure alarm	< 200kPa
		Low oxygen input pressure alarm	< 200kPa
		Air and oxygen blender alarm	When any gas source lack When differential pressure > 0.1mPa
		Compression pump alarm	Excess temperature
Working condition		Size	
Gas source	O <sub>2</sub> , Air	Main engine	L 480*W 670*H 450mm
Pressure	280kPa - 600kPa	G.W.	40KG
Voltage	100 - 240V	N.W.	23KG
Power frequency	50Hz ± 1Hz	Air compressor	L 683*W 687*H 1140mm
Other models for your reference:		G.W.	105KG
		N.W.	70KG



NLF-200A PLUS



NLF-200C



NLF-200D

The picture is for reference only. For more information, please contact Superstar Medical sales representatives.

**SUPERSTAR**  
NANJING SUPERSTAR MEDICAL EQUIPMENT Co., Ltd.

Nanjing Superstar Medical Equipment Co., Ltd.

Address: No.6 Building, No.9 Bofu Road, Yanjiang Industrial Development Zone, Liuhe District, 211505 Nanjing, P. R. China.  
Tel: +86-25-69658833 Mobile: +86-15951815673 Fax: +86-25-69658833  
Email: info@superstar-med.com Web: http://www.superstar-med.net

# NLF-200A CPAP System

*Friendly Powerful Reliable*



**SUPERSTAR**  
NANJING SUPERSTAR MEDICAL EQUIPMENT Co., Ltd.

Cherish your life, Cherish your health!

# NLF-200A CPAP System



## Application

Continuous Positive Airway Pressure (CPAP) nurtures and supports infant breathing by providing respiratory support throughout the respiratory cycle.

CPAP System maintains the infant's functional residual capacity by helping to prevent airway closure.

The NLF-200A CPAP System has 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.



7" TFT LCD screen



Shuttle button



Humidifier



Air compressor



Oxygen sensor

## Trust point

- 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 wheels, easy to stop with two brakes in front casters.
- Minimizes airway drying and inflammation with Intelligent humidification: Adjustable temperature and humidity settings, perfectly adapted the humidification settings to the special needs of small patients and environmental conditions.
- Minimize noise effects: Reducing noise to 50dB during using, to keep the ward quiet.
- Designed and manufactured by Superstar Medical with over 25 years experience in this area, Over 2,000 units installed in the world.

## Safety

- Three levels alarm system, visual and audible alarm information.
- Different types of alarm, reminder and protection functions are available.
- Advanced power management control technology.
- Built-in backup battery provides the emergency power supply to the unit.

## Feature

- 7" TFT LCD screen displays the ventilation parameters, alarm information and oscillograms.
- Intergrated breathing circuit design, ensure easy operating and keep hygiene.
- Multiple parameters monitoring interface ensures every parameter is clear, let operator know the patient conditions in all aspects.
- Real time pressure-time oscillogram and high precision oxygen concentration detection function included.
- Built-in air and oxygen blender, ensure stable oxygen concentration.
- Stable and low noise air compressor creates quiet work environment for doctors and patients, able to support 2-3 CPAP machines at the same time.





# NLF-200C CPAP System

*Friendly Powerful Reliable*

## Application

---

Continuous Positive Airway Pressure (CPAP) nurtures and supports infant breathing by providing respiratory support throughout the respiratory cycle.

CPAP System maintains the infant's functional residual capacity by helping to prevent airway closure.

The NLF-200C CPAP System has 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.



*Cherish your life, Cherish your health!*

# NLF-200C CPAP System

## Trust point

- 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 wheels, easy to stop with two brakes in front casters.
- Minimizes airway drying and inflammation with Intelligent humidification: Adjustable temperature and humidity settings, perfectly adapted the humidification settings to the special needs of small patients and environmental conditions.
- Minimize noise effects: Reducing noise to 50dB during using, to keep the ward quiet.
- Designed and manufactured by Superstar Medical with over 25 years experience in this area, Over 2,000 units installed in the world.



3.5" TFT LCD screen



Shuttle button



Humidifier

## Technical specification

Oxygen concentration	Adjusting range: 21% - 100% Monitoring range: 15% - 100%
CPAP	Adjusting range: 0cmH <sub>2</sub> O - 15cmH <sub>2</sub> O Monitoring range: 0cmH <sub>2</sub> O - 60cmH <sub>2</sub> O
Continuous flow	Adjusting range: 2L/min - 20L/min Monitoring range: 2L/min - 20L/min
Gas source	O <sub>2</sub> , Air
Pressure	280kPa - 600kPa

Voltage	100 - 240V
Power frequency	50Hz ± 1Hz
Main engine	L 480*W 670*H 450mm
G.W.	40KG
N.W.	23KG
Air compressor	L 683*W 687*H 1140mm
G.W.	105KG
N.W.	70KG

The picture is for reference only. For more information, please contact Superstar Medical sales representatives.



### Nanjing Superstar Medical Equipment Co., Ltd.

Address: No.6 Building, No.9 Bofu Road, Yanjiang Industrial Development Zone, Liuhe District, 211505 Nanjing, P. R. China.

Tel: +86-25-69658833 Mobile: +86-15951815673 Fax: +86-25-69658833

Email: info@superstar-med.com Web: <http://www.superstar-med.net>



# NLF-200D CPAP System

*Friendly Powerful Reliable*

## Application

---

Continuous Positive Airway Pressure (CPAP) nurtures and supports infant breathing by providing respiratory support throughout the respiratory cycle.

CPAP System maintains the infant's functional residual capacity by helping to prevent airway closure.

The NLF-200D CPAP System has 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.

# NLF-200D CPAP System

## Trust point

- Mobility for intrahospital transport : easy to move with 5 wheels, easy to stop with three brakes in front casters.
- Flexible configurations to suit your needs.
- International standard and advanced technology suitable for all baby patient around the world.
- Designed and manufactured by Superstar Medical with over 25 years experience in this area, Over 2,000 units installed in the world.

## Feature

- Integrated breathing circuit design, ensure easy operating and keep hygiene.
- Built-in air and oxygen blender, ensure stable oxygen concentration.
- Reliable CPAP control valve and pressure monitoring system improve CPAP adjustment precision.

## Safety

- Two casters with brake, ensure stable operating.
- Pressure gauge and flow meter ensure accurate adjusting of parameters.



Flowmeter



Humidifier



Pressure gauge

## Technical specification

Oxygen concentration	Adjusting range: 21% - 100%
CPAP	Adjusting range: 0cmH <sub>2</sub> O - 10cmH <sub>2</sub> O
Continuous flow	Adjusting range: 1.5L/min - 15L/min
Gas source	O <sub>2</sub> , Air
Pressure	280kPa - 600kPa

Wooden case packing size (main component)	L 700*W 710*H 380mm
G.W.	35KG
N.W.	17.7KG
Wooden case packing size (Trolley)	L 160*W 195*H 1100mm
G.W.	6.7KG
N.W.	2KG
Total CBM	0.7m <sup>3</sup>

The picture is for reference only. For more information, please contact Perlove Medical sales representatives.



### Nanjing Superstar Medical Equipment Co., Ltd.

Address: No.6 Building, No.9 Bofu Road, Yanjiang Industrial Development Zone, Liuhe District, 211505 Nanjing, P. R. China.

Tel: +86-25-69658833 Mobile: +86-15951815673 Fax: +86-25-69658833

Email: info@superstar-med.com Web: <http://www.superstar-med.net>