



# **MEDICAL EQUIPMENTS**

# Who we are

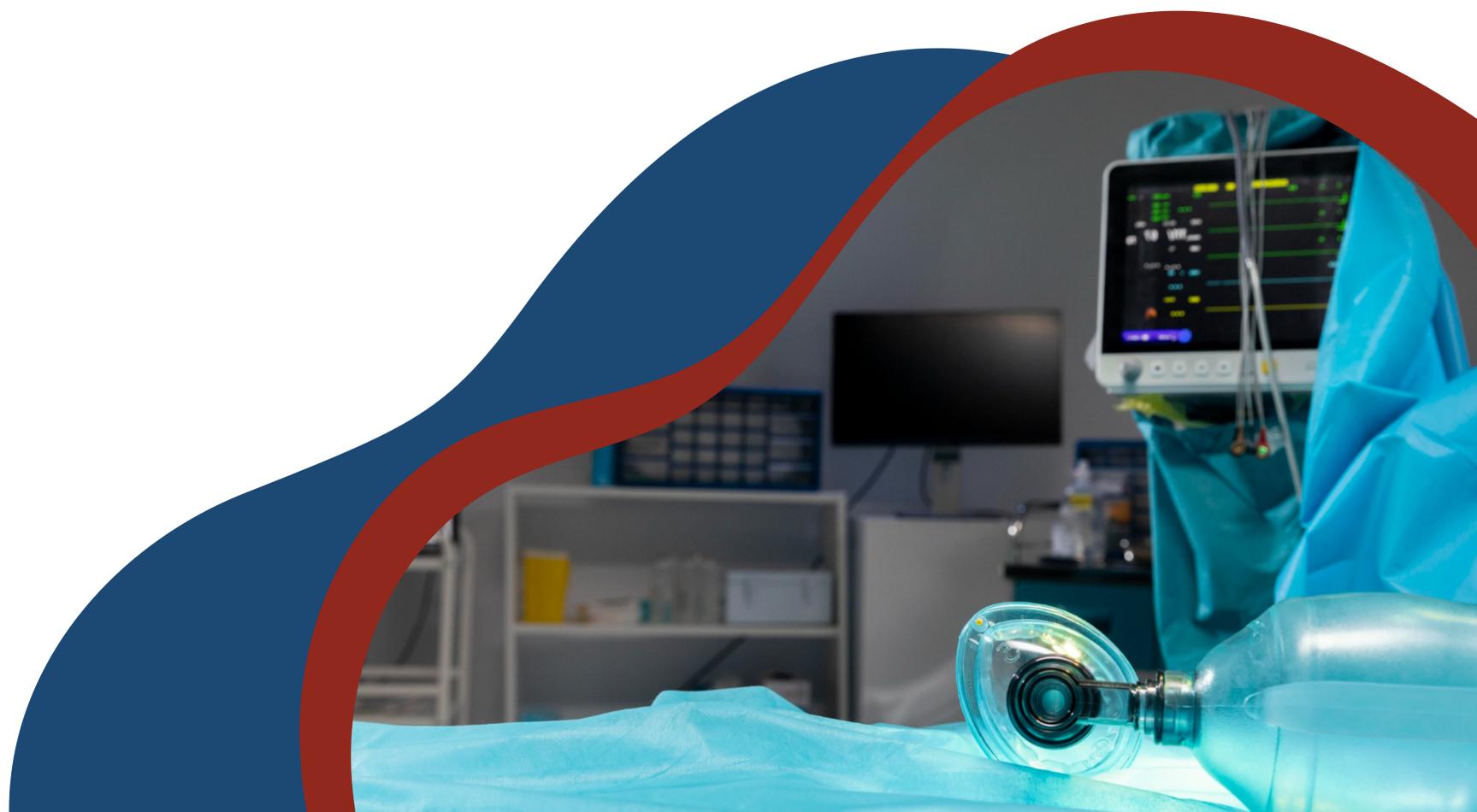
Elektro Genesis ME LLC has emerged as a leading force in the medical equipment industry, rapidly growing from its modest origins in the Middle East to become a multinational powerhouse. As one of the largest distributors and suppliers of medical equipment across Africa, GCC, and the Middle east, we have established an unrivaled reputation for reliability and quality.

## Our Reach:

At Elektro Genesis, our unwavering mission is to provide customers with medical equipment built to the highest standards, without compromise. We take great pride in the longstanding relationships we have cultivated with our clients over the past 20 years. Their trust in our ability to deliver unmatched products and services sets us apart from the competition.

## Our Commitment:

Operating in multiple countries, including Ghana, Kenya, Uganda, Liberia, the United Arab Emirates, and Zambia, we have built a strong presence in key markets. Our extensive distribution network ensures that healthcare professionals in these regions have access to cutting-edge medical instruments and devices





## **Our Mission:**

Elektro Genesis is committed to delivering exceptional value to its customers worldwide by providing technologically advanced medical products of the highest quality at affordable prices. We aim to establish a comprehensive distribution network that serves clients across continents, including Asia, Europe, the Middle East, and the GCC. Through continuous innovation and a relentless focus on customer satisfaction, we strive to improve healthcare outcomes and enhance the well-being of individuals and communities globally.

## **Our Vision:**

Our vision is to be a trusted leader in the global medical equipment industry, renowned for our unwavering dedication to excellence, integrity, and customer-centricity. We are driven to expand our product portfolio with state-of-the-art technologies that cater to the evolving needs of healthcare professionals worldwide. By cultivating strategic partnerships and leveraging our expertise, we aspire to shape the future of healthcare delivery, offering innovative solutions that positively transform patient care and outcomes. Together with our valued clients and partners, we envision a healthier and more accessible healthcare landscape spanning across continents.

# ANESTHESIA MACHINE

## Application:

The Anesthesia Machine makes a good performance in Intensive Care Units (ICU), Operation Room, Anesthesiology Department and other departments. From high to low acuity, simple to complex cases, pediatric to geriatric patients.



## S6600

### Anesthesia Machine

Gas source	O <sub>2</sub> , N <sub>2</sub> O, Air
Ventilation mode	P-CMV, V-CMV, P-SIMV, V-SIMV, PSV, PRVC, SIGH, MANUAL
Tidal volume (Vt)	0, 10 ~ 1500mL
I:E	4:1 ~ 1:10
Oscillogram	P-T, F-T, V-T, Lung function loop, ETCO <sub>2</sub> -T

- 15 inches big LCD touch screen ensure wide range parameters and oscillogram shown on screen
- Electric flowmeter and mechanical flow meter give dual protection for system
- Separate design for electric circuit and gas circuit ensure long using life.
- 8 languages for exchange including Chinese, English, Spanish, French, Russian, Turkish, German, Portuguese.



## S6200

### Anesthesia Machine

Gas source	O <sub>2</sub> , N <sub>2</sub> O, Air
Ventilation mode	IPPV, P-A/C, V-A/C, P-SIMV, V-SIMV, PCV-PC, PCV-VG, PSV, SIGH, MANUAL
Tidal volume (Vt)	0, 10 ~ 1500mL
I:E	4:1 ~ 1:8
Oscillogram	P-T, F-T, V-T, Lung function loop, ETCO <sub>2</sub> -T

- 15 inches big LCD touch screen ensure wide range parameters and oscillogram shown on screen
- Electric flowmeter and mechanical flow meter give dual protection for system
- Separate design for electric circuit and gas circuit ensure long using life.
- 8 languages for exchange including Chinese, English, Spanish, French, Russian, Turkish, German, Portuguese.



## S6200A

### Anesthesia Machine

Gas source	O <sub>2</sub> , N <sub>2</sub> O, Air
Ventilation mode	IPPV, A/C, PCV, PCV, PSV, SIMV, SIGH, MANUAL
Tidal volume (Vt)	0, 20 ~ 1500mL
I:E	4:1 ~ 1:8
Oscillogram	P-T, F-T, V-T, P-V, ETCO <sub>2</sub> -T

- 12.1" TFT LCD touch screen displays the Ventilation parameters, Alarm information and Oscillogram. Alternate button for dual control.
- High precision electronic flowmeter and mechanical flowmeter instantly know the fresh gas flow to patient.
- Separate design for electric circuit and gas circuit ensure long using life.
- Integrated breathing circuit design, bellow for 0mL-1500mL suitable for all range patients.
- Altitude compensation: Suitable for high/low altitude areas.



## S6100

### Anesthesia Machine

Gas source	O <sub>2</sub> , N <sub>2</sub> O, Air
Ventilation mode	IPPV, P-A/C, V-A/C, P-SIMV, V-SIMV, PCV-PC, PCV-VG, PSV, SIGH, MANUAL
Tidal volume (Vt)	0, 20 ~ 1500mL
I:E	4:1 ~ 1:8
Oscillogram	P-T, F-T, P-V loop

- 10.4" TFT LCD screen displays the Ventilation parameters, Alarm information and Oscillogram.
- 5 mechanical flowmeters instantly show fresh gas, and internal electronicproportional valve controls mixture gas concentration.
- Rapid oxygen supply button and ACGO suitable for emergency situation and revival after operation.
- Real time oscillogram and high precision O<sub>2</sub> concentration detection function included.



# ANESTHESIA MACHINE

## Application:

The Anesthesia Machine makes a good performance in Intensive Care Units (ICU), Operation Room, Anesthesiology Department and other departments. From high to low acuity, simple to complex cases, pediatric to geriatric patients.



## S6100A (HIGH)

### Anesthesia Machine

Gas source	O <sub>2</sub> , N <sub>2</sub> O, Air
Ventilation mode	IPPV, A/C, SIMV, SIGH, MANUAL
Tidal volume (Vt)	0, 20 ~ 1500mL
I:E	2:1 ~ 1:6
Oscillogram	P-T, F-T, P-V

- 10.4" TFT LCD screen displays the Ventilation parameters, Alarm information and Oscillogram.
- 5 mechanical flowmeters, instantly know the fresh gas flow to your patient.
- Integrated breathing circuit design, ensure easy operating and keep tidy.
- Real time, pressure-time, flow-time, pressure-volume loop oscillograms and high precision O<sub>2</sub> concentration detection function included.



## S6500A

### Anesthesia Machine

Gas source	O <sub>2</sub> , N <sub>2</sub> O / O <sub>2</sub> , Air
Ventilation mode	IPPV, A/C, SIMV, PCV, SIGH, MANUAL
Tidal volume (Vt)	0, 20 ~ 1500mL
I:E	2:1 ~ 1:8
Oscillogram	P-T, F-T

- 10.4" TFT LCD screen displays the Ventilation parameters, Alarm information and Oscillogram
- 4 mechanical flowmeters, instantly know the fresh gas flow to your patient.
- Integrated breathing circuit design, ensure easy operating and keep tidy.
- Real time, pressure-time, flow-time, pressure-volume loop oscillograms and high precision O<sub>2</sub> concentration detection function included.



## S6500

### Anesthesia Machine

Gas source	O <sub>2</sub> , N <sub>2</sub> O, Air
Ventilation mode	IPPV, A/C, SIMV, SIGH, MANUAL
Tidal volume (Vt)	0, 20 ~ 1500mL
I:E	2:1 ~ 1:6
Oscillogram	P-T, F-T

- 7" screen displays displays the Ventilation parameters, Alarm information and Oscillogram.
- Vaporizer with temperature, pressure, flow compensation and self-lock function, keep safety anytime.
- ACGO and Fast oxygen supply for emergency situation and revival after operation
- 3 Yokes can be optional for cylinders



## S6100A (Basic) / S6100D

### Anesthesia Machine

Gas source	O <sub>2</sub> and N <sub>2</sub> O or O <sub>2</sub> and Air
Ventilation mode	IPPV, A/C, SIMV, SIGH, MANUAL
Tidal volume (Vt)	0, 20 ~ 1500mL
I:E	2:1 ~ 1:6
Oscillogram	P-T, F-T and P-V loop

- 7" TFT LCD screen displays the Ventilation parameters, Alarm information and Oscillogram.
- 4 mechanical flowmeters, instantly know the fresh gas flow to your patient.
- Vaporizer with temperature, pressure, flow compensation and self-lock function, keep safety anytime.
- Gray color for optional with ACGO function.



# ICU VENTILATOR

## Application:

The ventilator makes a good performance in operation room, ICU department and emergency treatment. It is used to assist or replace the spontaneous breathing for adult, pediatric and neonatal more than 2kg. 25 years experience in Market-oriented ventilator make us professional and reliable, satisfying all your needs in ventilation. Due to the flexible configuration, good quality and competitive price, Our machine has soon become the superstar of market.



## S1200

### ICU Ventilator

Screen	15" TFT LCD touch screen
Ventilation mode	PRVC, APRV, DUOLEVEL, V-SIMV, P-SIMV, IPPV, A/C, PCV, PSV, SPONT/CPAP, SIGH, MANUAL
Tidal volume (Vt)	0, 20 ~ 2000mL
Alarm and protection	14 kinds of alarm and protection functions
Oscillogram	P-T, F-T, V-T, ETCO2-T, P-V loop F-V loop, P-F loop

- 15" TFT LCD touch screen displays the ventilation parameters, alarm information and Oscillogram.
- Built-in oxygen concentration sensor, ensure stable precision of oxygen concentration.
- Separate design of electronic circuit and gas flow rate keep safe running of ventilator.
- Pressure and flow dual triggering mechanism make patients breathe better and more comfortable.



## S1100

### ICU Ventilator

Screen	15" TFT LCD touch screen
Ventilation mode	PRVC, APRV, DUOLEVEL, V-SIMV, P-SIMV, IPPV, A/C, PCV, PSV, SPONT/CPAP, SIGH, MANUAL
Tidal volume (Vt)	0, 20 ~ 2000mL
Alarm and protection	14 kinds of alarm and protection functions
Oscillogram	P-T, F-T, V-T, ETCO2-T, P-V loop F-V loop, P-F loop

- 15" TFT LCD touch screen displays the Ventilation parameters, Alarm information and Oscillogram.
- Air compressor runs stably with low noise, creates quiet environment for doctors and patients.
- 5 oscillograms for your choice, 3 of them can be displayed on the screen at the same time.
- Humidifier can heat and wet breathing gas, makes it comfortable for patient to breathe.



## S1500

### ICU Ventilator

Screen	12.1" TFT LCD screen
Ventilation mode	IPPV, A/C, PCV, SIMV, SPONT/CPAP, PSV, SIGH, MANUAL
Tidal volume (Vt)	0, 20 ~ 2000mL
Alarm and protection	14 kinds of alarm and protection functions
Oscillogram	P-T, F-T, P-V loop

- 12.1" TFT LCD screen displays the Ventilation parameters, Alarm information and Oscillogram.
- Three level sound and visual alarm system, easier for users to do error checking and trouble shooting.
- Compact long life internal battery can provide emergency power, avoid risk of patient.
- Self-check before operation make sure all parts of machine are in good condition.



## S1600

### ICU Ventilator

Screen	10.4" TFT LCD screen
Ventilation mode	IPPV, A/C, SIMV, SPONT/CPAP, SIGH, MANUAL
Tidal volume (Vt)	0, 20 ~ 1500mL
Alarm and protection	11 kinds of alarm and protection functions
Oscillogram	P-T, F-T, P-V loop

- 10.4" TFT LCD screen displays the Ventilation parameters, Alarm information and Oscillogram
- Venturi effect technology ensure the machine working normal without air source.
- High temperature resistance breathing circuit is reusable and anti-pollution
- Easy to move with 4 casters, easy to stop with 2 brakes



# CPAP SYSTEM

## Application:

The CPAP System makes a good performance in Neonatal Intensive Care Units (NICU) and other departments. It's available for newborn baby with slight respiratory failure who has spontaneously breathing.



## NLF-200B

### CPAP System

Mode	CPAP, NIPPV, HFNC, MANUAL, NCPAP
CPAP	Adjusting range:0cmH2O-15cmH2O Monitoring range:0cmH2O-60cmH2O
Alarm and protection	15 kinds of alarm and protection functions
Oscillogram	P-T, Blending Gas Pressure histogram, Gas pressure Oscillogram
Air Compressor( standard)	10000 hours work time

- Intuitive operation: 12.1" Inch LCD touch screen displays measured parameters clearly and Intuitively
- Minimize Noise Effects : Reducing noise to 50dB during using, to keep the ward quiet.
- Multilevel filtration-purification system reduces in maximum the dust effect, increase of service life.
- Easy-to-understand monitoring: The configurable touch screen display, Intuitionistic simplicity and specified approach diverse monitoring data.



## NLF-200A

### CPAP System

Oxygen concentration	Adjusting range:21%-100% Monitoring range:15%-100%
CPAP	Adjusting range:0cmH2O-15cmH2O Monitoring range:0cmH2O-60cmH2O
Alarm and protection	7 kinds of alarm and protection functions
Oscillogram	P-T
Air Compressor( standard)	Continuous output flow:≥25L/min Peak output flow:≥120L/min

- Intuitive operation: 7" Inch LCD screen displays measured parameters clearly and Intuitively
- Mobility for intrahospital transport : easy to move with 4 wheels, easy to stop with 2 brakes in front casters.
- Integration breathing circuit design, ensures easy operating and keep tidy.
- Easy-to-understand monitoring: The configurable touch screen display, Intuitionistic simplicity and specified approach diverse monitoring data.



## NLF-200C

### CPAP System

Oxygen concentration	Adjusting range:21%-100% Monitoring range:15%-100%
CPAP	Adjusting range:0cmH2O-15cmH2O Monitoring range:0cmH2O-60cmH2O
Alarm and protection	5 kinds of alarm and protection functions
Air Compressor( standard)	Continuous output flow:≥25L/min Peak output flow:≥120L/min

- Intuitive operation: 3.5" Inch LCD screen displays measured parameters clearly and Intuitively
- Mobility for intrahospital transport : easy to move with 4 wheels, easy to stop with 2 brakes in front casters.
- Integration breathing circuit design, ensures easy operating and keep tidy.
- Easy-to-understand monitoring: The configurable touch screen display, intuitionistic simplicity and specified approach diverse monitoring data.



## NLF-200D

### CPAP System

Oxygen concentration	Adjusting range:21%-100% Monitoring range:15%-100%
CPAP	Adjusting range:0cmH2O-15cmH2O Monitoring range:0cmH2O-60cmH2O
Alarm and protection	5 kinds of alarm and protection functions
Air Compressor( standard)	Continuous output flow:≥25L/min Peak output flow:≥120L/min

- Simplicity: easy to use, easy to move with 4 wheels.
- Real time pressure-time oscillogram and high precision O2 concentration detection function included.
- Built-in air and oxygen blender, ensures stable oxygen concentration.
- Pressure meter and flow meter ensures accurate adjusting of parameters.



# NITROUS OXIDE SEDATION SYSTEM

## Application:

Nitrous Oxide sedation has been widely used in clinical practice for 160 years. When the patient is conscious, inhalation of proportionally mixed N<sub>2</sub>O and O<sub>2</sub> is universally recognized as the safest, most effective and receptive way of sedation. It has remained as one of the most widely used anesthetics in Endoscope Department, Obstetrics Department, Dentistry Department and other departments.



## S8800

### Nitrous Oxide Sedation System

Ventilation mode	Continuous gas supply On-demand gas supply Rapid oxygen supply MANUAL
Oxygen concentration	30% ~ 100%
Alarm and protection	13 kinds of alarm and protection functions
N <sub>2</sub> O concentration	0% ~ 70%
Oscillogram	P-T, flow histogram

- 10.4" TFT LCD touch screen displays the Ventilation parameters, Alarming information and Waveform.
- With built-in backup power source, when outside power source goes off, back-up power source starts to work.
- Timing function for recording time and controlling operation
- Electronic control mixed gas blender, high precision adjustment.



## S8800B

### Nitrous Oxide Sedation System

Ventilation mode	Continuous gas supply or On-demand gas supply, Rapid oxygen supply, MANUAL
Manual ventilation flow	0-30L/min
Rapid oxygen flow	25L/min-75L/min
Airway pressure	0-60 cmH <sub>2</sub> O
Oscillogram	P-T

- 7" TFT LCD screen displays the Ventilation parameters, Alarm information and Oscillogram.
- Integration breathing circuit design, ensure easy operating and keep tidy.
- With lots of alarm, reminding and protection functions.
- Advanced power management control technology.



# VETERINARY ANESTHESIA MACHINE



## DM6A

### Veterinary Anesthesia Machine

Gas source	N2O and O2
Ventilation mode	IPPV, A/C, PCV, SIMV, SIGH, MANUAL
Tidal volume (Vt)	0, 20 ~ 1500mL
I:E	2:1 ~ 1:8
Oscillogram	P-T, F-T, P-V loop, V-T, ETCO2-T

- 10.4" touch screen displays information area, alarm area, monitoring area, setting information.
- Electronic flowmeter, instantly know the fresh gas flow to animals.
- Real time pressure-time, flow-time loop oscillogram and high precision ETCO2, O2 concentration detection function included.
- ETCO2 module and Anesthesia Gas Scavenging System (AGSS) are optional.



## DM6B

### Veterinary Anesthesia Machine

Gas source	O2
Ventilation mode	IPPV, A/C, SIMV, SIGH, MANUAL
Tidal volume (Vt)	0, 20 ~ 1500mL
I:E	2:1 ~ 1:6
Oscillogram	P-T, F-T

- 7" screen displays information area, alarm area, monitoring area, setting information.
- High precision mechanical flowmeter, instantly know the fresh gas flow to animals.
- Real time pressure-time, flow-time oscillogram.
- Anesthesia Gas Scavenging System (AGSS) are optional.



## DM6C

### Veterinary Anesthesia Machine

Gas source	N2O and O2
Ventilation mode	MANUAL
Flowmeter	O2(0 ~ 5L/min)
I:E	NO
Pressure	280kPa-600kPa

- High precision mechanical flowmeter, instantly know the fresh gas flow to animals.
- Compact and popular frame design.
- Anesthesia ventilator can be optional.
- Adjustable air way pressure makes safe protection.



# VETERINARY ANESTHESIA MACHINE



## DM6D

### Veterinary Anesthesia Machine

Gas source	O2
Ventilation mode	MANUAL
Flowmeter	O2(0 ~ 5L/min)
I:E	NO
Pressure	280kPa-600kPa

- High precision mechanical flowmeter, instantly know the fresh gas flow to animals.
- Compact and popular frame design.
- Anesthesia ventilator can be optional.
- Adjustable air way pressure makes safe protection.



## DM6E

### Veterinary Anesthesia Machine

Gas source	O2
Ventilation mode	MANUAL
Flowmeter	O2(0 ~ 5L/min)
I:E	NO
Pressure	280kPa-600kPa

- The equipment could adapt to different animals and procedures freely.
- Designed and manufactured with over 14 years experience in this area.
- Flexible configurations to satisfy your needs.
- International standard and advanced technology suitable for a wide range of use.
- Over 2,000 units installed in the world.



## DH6B

### Veterinary Ventilator

Gas source	O2
Ventilation mode	IPPV, A/C, SIMV, MANUAL
Flowmeter	O2(0.5 L/min ~ 30 L/min)
I:E	NO
Pressure	280kPa-600kPa

- The equipment could adapt to different animals and procedures freely.
- Centered ventilation: The ventilator is precise in both conventional ventilation and advanced ventilation with 3 ventilation modes (IPPV, A/C, SIMV).
- Flexible configurations to suit your needs.
- International standard and advanced technology suitable for a wide range of use.
- Compact interface and big screen give you better operating experience.
- Over 2,000 units installed in the world.



# NON-INVASIVE VENTILATOR



## S9600

### Non-invasive Ventilator

Ventilation mode	CPAP, S, T, S/T
Frequency	Adjusting range:4cmH2O-20cmH2O
CPAP	Adjusting range:4cmH2O-20cmH2O
Inspiratio(Expiration)trigger	Adjusting range: auto adjusting, 1-3
Oscillogram	Airway pressure histogram

- 3.5" TFT LCD screen displays the Ventilation parameters and Alarm information.
- Patient Centered Ventilation: Precision in an anesthesia ventilator, from conventional ventilation to advanced modes, including 4 modes: CPAP, S, T, S/T.



Humidifier



Breathing tube



Mask



Bag

## S9700

### Non-invasive Ventilator

Ventilation mode	CPAP, S
CPAP	Adjusting range:4cmH2O-20cmH2O
Ramp time	Adjusting range:0-60min
Humidifier	Adjusting range:0-5
Oscillogram	Airway pressure histogram

- Good performance is based on high security, high accuracy, high stability and accurate monitoring.
- 3.5" TFT LCD screen displays the Ventilation parameters and Alarm information.



Humidifier



Breathing tube



Mask



Bag

# NON-INVASIVE VENTILATOR



## S9030

### Non-invasive Ventilator

Ventilation mode	CPAP, S, T, S/T, AVAPS, PC
CPAP	Adjusting range: 4cmH <sub>2</sub> O-25cmH <sub>2</sub> O
Frequency	Adjusting range: 4cmH <sub>2</sub> O-30cmH <sub>2</sub> O
Inspiratio(Expiration)trigger	Adjusting range: auto adjusting, 1-3
Oscillogram	Airway pressure histogram

- 3.5" TFT LCD screen displays the Ventilation parameters and Alarm information.
- Patient Centered Ventilation: Precision in an anesthesia ventilator, from conventional ventilation to advanced modes, including 4 modes: CPAP, S, T, S/T.



## S9130

### Non-invasive Ventilator

Ventilation mode	CPAP, S, T, S/T, AVAPS, PC
CPAP	Adjusting range: 4cmH <sub>2</sub> O-30cmH <sub>2</sub> O
Ramp time	Adjusting range: 4cmH <sub>2</sub> O-25cmH <sub>2</sub> O
Humidifier	Adjusting range: auto adjusting, 1-3
Oscillogram	Airway pressure histogram

- Good performance is based on high security, high accuracy, high stability and accurate monitoring.
- 3.5" TFT LCD screen displays the Ventilation parameters and Alarm information.
- The integrated battery ensure 2 hours using when power failure

