

Specifications

Ventilation Modes

Continuous gas supply
On-demand gas supply
Rapid oxygen supply
Manual

Ventilator Parameter Ranges

Oxygen concentration	30% - 100%
Nitrous oxide concentration	0% - 70%
On-demand gas	0-30L/min
Pressure trigger (PTR)	-1cmH <sub>2</sub> O ~ -10cmH <sub>2</sub> O
Gas supply time	1s - 6s
Peak flow	≥ 60L/min
Manual ventilation flow	0 - 30L/min
Rapid oxygen flow	25L/min - 75L/min
Pressure limit	5cmH <sub>2</sub> O - 60cmH <sub>2</sub> O

Monitored Parameters

Oxygen concentration	30% - 100%
Airway pressure	0 - 60cmH <sub>2</sub> O
Flow	0 - 30L/min

Oscillographs Display

P-T (pressure - time)

Alarms and Protection

The AC power failure alarm	Power failure or no connection
Built-in backup battery low voltage alarm	< 11.3 ± 0.3V
High oxygen concentration alarm	31% - 100%
Low oxygen concentration alarm	30% - 99%
High airway pressure alarm	5cmH <sub>2</sub> O - 60cmH <sub>2</sub> O
Pressure limit	60cmH <sub>2</sub> O
Emergency air input	When machine malfunction
Nitrous oxide closure function	When oxygen pressure ≤ 200kPa
Low gas source input pressure	Pressure ≤ 200kPa

Working Conditions

Gas source	O <sub>2</sub> , N <sub>2</sub> O
Pressure	280kPa - 600kPa
Voltage	220V ± 22V
Power frequency	50Hz ± 1Hz
Input power	60VA

Size

Wooden case packing size	L 730* W 730* H 1445mm
G.W.	90KG
N.W.	43KG



S8800A



S8800B



S8800C

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

**S8800A**  
**Nitrous Oxide Sedation System**  
*Friendly Powerful Reliable*



# S8800A Nitrous Oxide Sedation System

## Application

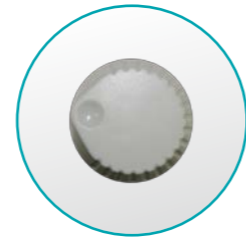
The Nitrous Oxide Sedation System makes a good performance in gastrointestinal endoscope department, obstetrics department, dentistry department and other departments. When the patient is conscious, inhalation of proportionally mixed nitrous oxide and oxygen is universally recognized as the safest, most effective and receptive way of sedation. It is widely used anesthetics in both dental and medical applications. Perlong Medical Nitrous Oxide Sedation System offers you the choices you need in ventilation, monitoring and technique.



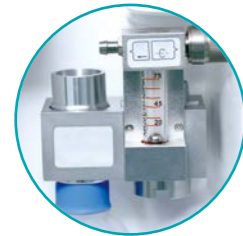
7" TFT LCD screen



Pressure Gauge



Shuttle button



Stainless steel material



Gas cylinders



Brake

## Trust Points

- Simplicity: easy to use, easy to move with 4 casters.
- Convenient: compact interface and big screen give you better operating experience.
- Option: adapt the equipment to your patients and procedures freely.
- Friendly: flexible configurations to meet your requirement.
- Quality: international standard and advanced technology make it suitable for wide range use.
- Trust: designed and manufactured by Perlong Medical with over 23 years experience in this field .
- Worldwide: over 1,000 units are installed in the world.

## Features

- 7" TFT LCD screen displays the ventilation parameters, alarm information and oscillographs.
- Integrated breathing circuit design, ensure easy operation and keep tidy.
- Multiple parameters monitoring interface, make every parameter clear, let users know the patient conditions in all aspects.
- Multiple ventilation modes, suitable for different clinical needs.
- Electronic control mixed gas blender, high precision adjustment.
- Built-in concentration monitoring system, real-time monitoring of airway pressure.

## Common Procedures Completed with Nitrous Oxide Sedation System

- VCUg/RNC
- IV Starts
- Gastrostomy
- Joint Injections
- Childbirth
- PICC Lines
- CT Scans
- Botulinum
- Incision and Drainage
- Sutures
- ISAT
- Electromyograms
- Barium Enemas
- Catheter Insertions
- Lumbar Punctures



### Stomatological Department

Dental Department  
Others



### Gastroenterology Department

Gastroscopy      Gastrostomy  
Colonoscopy      Others  
Barium Enemas



### Obstetrics

Hysteroscopy      Childbirth  
LEEP operation      Others



### Burn Department

Remove scab  
Change dressing

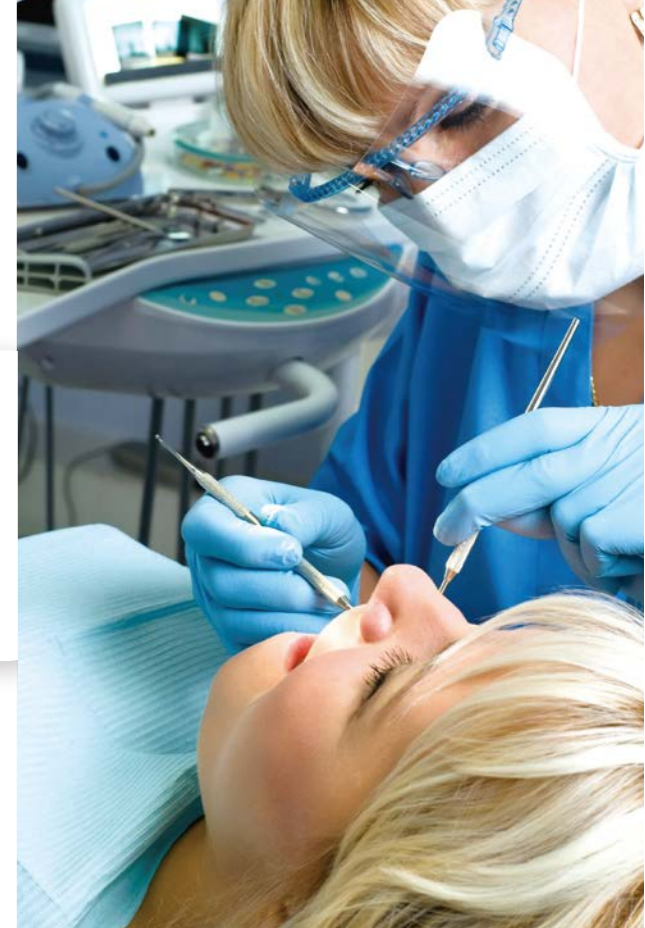


### Cosmetology Department

Laser      Botulinum injections  
Hair transplant      Others



### Oncology Department Emergency Department Orthopaedics Department



## Safety

- Three levels alarm system, come with visual and audible alarm information.
- With lots of alarm, reminding and protection functions.
- Advanced power management control technology.
- Built-in backup battery provides the emergency power supply to the unit.

Nitrous oxide is a very quick-acting inhaled sedation medicine that decreases discomfort and anxiety. Nitrous oxide sedation has been widely used in clinical practice for 160 years. It has been most widely used in the left common procedures.