

Specification Sheet for S6600 Anesthesia Machine



I. Intended Usage

Anesthesia System is intended to provide general Anaesthesia to the patients as well as control patient's breathing or assist breathing, monitor and display ventilation parameters of patients in medical department. It applies to adults, pediatric and neonatal patient.

II. Features:

1. Well approved with CE ISO Certification suitable for most countries' clinical requirements.
2. Gas driven and electricity control.
3. 15" TFT LCD touch screen displays the ventilation parameters, alarm information and oscillogram.
4. Built-in electronic flowmeter ensure instantly know the fresh gas flow to patient.
5. Mechanical flowmeter could be used for emergency situation when electronic flowmeter broken.
6. Isoflurane, Sevoflurane, Halothane, Enflurane and Desflurane for choice, two position for standard
7. Vaporizers are suitable for low flow anesthesia, save cost.
8. All vaporizers have temperature, pressure, flow compensation function.
9. All vaporizers has self-lock and interlock functions, to avoid leaking and cross infection
10. Large CO₂ absorber has bypass and heating function, can be directly disassembled and replaced the soda lime during operation, ensure the comfort of patient and avoid backflow of condensate water.
11. Oxygen Concentration Detector could monitor the real-time oxygen concentration for safety.
12. Widely used in OR&ICU for adult pediatric and neonatal patient.
13. Three level sound and visual alarm system, easier for error-checking and trouble-shooting.
14. Self-checking before operation ensure all parts of the machine are in good conditions.
15. Integrated breathing circuit and bellows ensure easy operation and keep tidy.
16. User-friendly design central brake, convenient for doctors to relax foot.
17. LED Top Light, Convenient for endoscopy operation.
18. Built-in backup battery could offer 2-3 hrs emergency power when electricity cut off.
19. Six auxiliary plugs could be used for monitors and other medical equipment.
20. ACOG function and Fast Oxygen Supply could be used for emergency and revival after operation

21. Auxiliary O2 Supply provide fresh oxygen to patient for independent use.
22. Big drawers is deep enough to put some accessories and patient documents.
23. AGSS function could be equipped if necessary.
24. Along with machine we would send you one CD and Operation Manual, teach you how to do installation, operation and maintenance.
25. 24 hrs online technical support after sale.

III. Working Condition

1. Supply Voltage: 100-240V~
2. Supply Frequency: 50/60Hz
3. Input Power: 8A
4. Gas Source: O₂, N₂O, Medical Air
5. Gas Pressure: 280 kPa ~ 600 kPa (2.8-6 Bar)
6. Ambient Temperature Range: + 5 °C ~ + 40 °C
7. Relative Humidity Range: ≤ 80%
8. Atmospheric Pressure Range: 860 hPa ~ 1060 hPa
- 9.

IV. Ventilation Mode:

1. V—CMV
2. P—CMV
3. V—SIMV
4. P—SIMV
5. PCV
6. PSV
7. PCV-VG
8. SPON/CPAP
9. MANUAL

V. Main Technical Parameters

1. Flowmeters

O₂ 0~15 L/min

N₂O 0~15 L/min

AIR 0~15 L/min

2. Fast Oxygen Supply 35 L/min ~ 75 L/min

3. Tidal Volume (V_T) Neonate: 10 mL ~ 100 mL

Pediatrics: 100 mL ~ 300 mL

Adult: 300 mL ~ 1500 mL

4. Frequency (Freq) SIMV Mode: 4~60 /min

Except SIMV Mode: 4 /min ~ 100 /min

5. I: E 4:1 (1:0.25) ~ 1:10

6. PEEP 0 cmH₂O ~ 30 cmH₂O

7. Pressure Trigger Sensitivity (Ptr) 0kPa ~ 30 cmH₂O

8. Flow Trigger Sensitivity (Ftr) 0.3 L/min ~ 15 L/min

9. Inspiration (P_{insp}) (PEEP+5) ~ 70 cmH₂O

10. Pressure Support (P_{supp}) (PEEP+3) ~ 50 cmH₂O

11. Inspiratory Apnea (Tip: Ti) OFF, 5 ~ 60%

12. Inspiratory Time (T_{insp}) 0.2~5 s

13. Trigger Window (Trig Window) 5~95%

14. Standby Time (FreqMin) 2~ 60 /min

15. Rise Time (T_{slope}) 0 ~ 2s

16. Pressure Limit (Plimit) 10 cmH₂O ~ 100 cmH₂O

VI. Monitoring Parameters

1. Flowmeters

O₂ 0~15 L/min

N₂O 0~15 L/min

AIR 0~15 L/min

2. Frequency (Freq)	0 /min ~ 100 /min
3. Tidal Volume (V _T)	0 mL ~ 2500 mL
4. Minute Volume (MV)	0.1 L/min ~ 99.9 L/min
5. Inspiration and Expiration Ratio (I: E)	4:1 ~ 1:10
6. Air Resistance	0 ~ 250 mL/cmH ₂ O
7. Peak Airway Pressure (P _{peak})	0 ~ 100 cmH ₂ O
8. Plateau Pressure (P _{plat})	0 ~ 100 cmH ₂ O
9. Positive Expiratory End Pressure (PEEP)	0 ~ 70 cmH ₂ O
10. Airway Pressure Waveform	-20 cmH ₂ O ~ 100 cmH ₂ O
11. Volume Waveform	0 ~ 1600 mL
12. Respiratory Flow Waveform	-120 L/min ~ 120 L/min
13. CO ₂ Waveform	0 ~ 100 mmHg
14. Dynamic Lung Compliance (C _{dyn})	0 mL / cmH ₂ O ~ 250 mL / cmH ₂ O
15. Fraction of Oxygen (FiO ₂)	15 % ~ 100 %

VII. Oscillogram

P-T (Pressure-Time)

F-T (Flow-Time)

V-T (Volume-Time)

ETCO₂-T (Etco₂- Time)

P-V Loop (Pressure-Volume Loop)

F-V Loop (Flow-Volume Loop)

P-F Loop (Pressure-Flow Loop)

IX. Alarm Information

High Minute Volume	0.1 L/min ~ 100 L/min
Low Minute Volume	0 L/min ~ 99.9 L/min
High Pressure Alarm	2cmH ₂ O ~ 100cmH ₂ O
Low Pressure Alarm	0cmH ₂ O ~ 98cmH ₂ O
Fio ₂ upper limit	20% ~ 100%

Fio2 Lower Limit	18% ~ 98%
Respiration Frequency upper limit	2 ~ 100 /min
Respiration Frequency lower limit	0 ~ 98 /min
VT upper limit	5 ml ~ 2000ml
VT lower limit	0 ml ~ 1995ml
Apnea	20s, 25s, 30s, 35s, 40s, 45s, 50s, 55s, 60s

X.Vaporizers

Anesthetic Gas	Adjusting range %
Halothane	0 ~ 5
Enflurane	0 ~ 5
Isoflurane	0 ~ 5
Sevoflurane	0 ~ 8