



Model 50 Anaesthesia machine

- Built in 10.4" color anaesthesia ventilator
- Traditional CO₂ absorber (autoclavable, Patent)
- Dual high end precise vaporizers (Volume > 280ml)
- Three gas sources system (O₂/N₂O/Air)
- Continuous FIO₂ monitoring & Bain circuit interface
- Electronic tidal volume (Innovation)
- Battery back up for all system over 60 mins,
- Optional: Backup Yoke system (O₂, N₂O)
- Optional: Anaesthesia gas scavenging system
- Optional: Anaesthesia gas modular patient monitor

Technical Specification

Anaesthesia main unit:

- High resolution 10.4" color TFT LCD screen
- Dual-end pressure flow sensor, The unit can monitoring Tidal Volume, Respiratory frequency, airway pressure, pressure-time wave, flow-time wave (two-way), High Pressure limitation, Low Pressure limitation, Apnea, Oxygen concentration under both two operating mode (Auto, Manual)
- Respiration loop function
- Close, semi-close, semi-open
- Application: Adult, Pediatric
- Low gas alarming: it gives alarming more than 7 seconds.
- High pressure Limitation: Whenever airway pressure exceed the pre-set High pressure, ventilator offers protection automatically, which supplies safety to patient.
- Low pressure protection: Once O₂ pressure less than 0.1MPa, N₂O gas supply was stopped automatically.
- Power failure alarming, power extendable function
- O₂ flush: 25 ~ 75L/min
- Gas Pressure: O₂: 0.3 ~ 0.5MPa
N₂O: 0.3 ~ 0.5MPa
AIR: 0.3 ~ 0.5MPa
- Power: 220V±10%, 50Hz±1%; Backup USP Battery.
- Optional: Yoke system for backup O₂, N₂O cylinders

Flow meter:

- O₂, N₂O, AIR – six tubes (0.05 ~ 1 L/min, 1 ~ 10L/min)
- O₂/N₂O inter-lock system, to keep O₂ concentration no less than 25%

Anaesthesia Ventilator:

- Adult, Pediatric bellows 1 set each;
- Pneumatic driven electric control
- Monitor Parameters: Tidal volume, Respiratory frequency, I:E rate, M.V., FIO₂, Apnea, Peak airway pressure, airway pressure waves(P-T,F-T) etc.
- Working mode: Manual, Auto (IPPV, SIMV, A/C, SIGH, PCV, PSV, Demo.)
- Tidal volume: 0, 50 ~ 1500 mL
- Respiratory frequency: 4 ~ 99 bpm
- I: E: 1:0.5 ~ 1:8 (adjustable)
- Synchronizer trigger Pressure: - 2 ~ 0 KPa
- High pressure limitation: 2 ~ 6 KPa
- Low pressure limitation: 0 ~ 2 KPa

Respiratory Circuit:

- Consolidated compact CO₂ absorber (autoclavable).

Vaporizer:

- High end precise vaporizer (Halothane, Isoflurane, Sevoflurane)
- Halothane/Isoflurane adjustable range: 0.5 ~ 5% VOL
- Sevoflurane adjustable range: 0.5 ~ 8% VOL
- Automatic compensation function – flow, pressure, temperature
- Self-lock function & inter-lock function
- Volume: >280 ml



* Features:

- Structure made of ABS;
- Large pressure gauges for easy reading;
- CO₂ absorber with easy change over system
- Optional: Yoke system for backup 1xO₂, 1xN₂O A-Type cylinder;

* Safety Features:

- Gases interlocking system with hypoxia guard;
- Oxygen exhaust alarm;
- Blow-off valve in top circuit.

