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ISO 9001:2008
ISO 13485:2003
CE

- Anaesthesia respiratory system utility Patent no. ZL 2010 2 0301105.8
- Anaesthesia vaporizer appearance design Patent no. ZL 2012 3 0450738.X



SD-M2000D Anaesthesia Workstation

- Built in 10.4" color anaesthesia ventilator
- Continuous FIO₂ monitoring
- New compact CO₂ absorber (autoclavable, Patent)
- High end precise vaporizer (Volume > 280ml, Patent)
- Battery back up for all system over 60 mins, bain circuit interface
- Optional: Touch screen anaesthesia ventilator, one key ventilation operation (Manual/Auto.)
- Optional: Anaesthesia gas scavenging system
- Optional: Electronic anaesthesia vaporizer (Patent)
- Optional: Yoke system, Electronic tidal volume (Innovation)
- Optional: EtCO₂ monitoring function, Anaesthesia patient monitor
- Optional: Built-in air compressor Or Air / O₂ inter-link system (Innovation)

*The worlds **ONLY** manufacturer of electronic anaesthesia vaporizer*

Utility model patent no.: ZL 2012 2 0483524.7
Computer software copyright registration certificate no.: 2013SR026464

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 and Open (With Bain circuit)
- 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
- Optional: Built-in air compressor Or Air/O₂ inter-link system

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 (Optional: Touch-screen):

- 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、SIGH、SIMV、SIPPV、Optional EtCO₂)
- Tidal volume: 0, 20 ~ 1500mL
- Respiratory frequency: 4~100bpm
- I: E: 4: 1 ~ 1: 6 adjustable
- Synchronizer trigger Pressure: -3~0KPa
- High pressure limitation: 2~6KPa
- Low pressure limitation: 0.6~2KPa

Respiratory Circuit:

- Consolidated compact CO₂ absorber (autoclavable) with own patent.

ZF-3000 Vaporizer:

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



- * 10.4" color TFT LCD screen, display P-T, F-T waveform, respiration loop;
- * Continuously Fio₂ concentration;
- * Flow meter - 2 O₂, 2 N₂O, 2 AIR;
- * Optional: Air / O₂ inter-link system (Compressed Air Driven System, in case absence of compressed air the machine automatically switches over to Oxygen driven mode.)



* Features:

- * Structure made of ABS;
- * Large pressure gauges for easy reading;
- * CO₂ absorber with easy change over system
- * Optional: Yoke system for backup 1-O₂, 1-N₂O A-Type cylinder;

* Safety Features:

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

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