

# AG55

## Anaesthetic Workstation

- Fruitful ventilation modes to meet diverse clinical situations/requirements especially perioperative process
- Lung protective ventilation includes Individualized PEEP titration tool, recruitment maneuver, to help clinicians decrease post-pulmonary complications to give a better outcome of patients
- ECO-Optimizer enables a safe low-flow Anaesthesia, and reduces agent and gas waste
- Anesthesia depth monitoring help anesthesiologists to observe whether the anesthesia depth is suitable for current stage and to keep our patients in a stable and safe situation.
- New ergonomic design balanced UI operating experienceand clinical requirement

CE 0123



| Technical Specifications   |   |
|--|---|
| BASIC UNIT   |   |
| Dimensions(H*W*D)  |   |
| 1390*885*799mm   |   |
| Weight and load  |   |
| Excluding vaporizers   | 95kg  |
| Top shelf load   | 10kg  |
| Work surface load  | 25kg  |
| Caster locking   |   |
| Braking type   | 125mm, Individual locking front casters   |
| Power and battery backup   |   |
| Power input  | AC 100~240 V, 50/60 Hz  |
| Power output   | 3 sockets, 1.5A individual  |
| Battery and operation time with fully charged   Lead-acid, 90 min  |   |
| ANESTHESIA GAS SUPPLY MODULE   |   |
| Gas supply   | O <sub>2</sub> , N <sub>2</sub> O, Air; 280~600kPa  |
| Cylinder yokes   | O <sub>2</sub> , N <sub>2</sub> O   |
| Flowmeter  | Electronic Display Flowmeter  |
| Range of flowmeter   | O <sub>2</sub> , N <sub>2</sub> O: 0~10L/min; Air: 0~12L/min  |
| O <sub>2</sub> flush   | 25~75L/min  |
| Auxiliary common gas outlet (ACGO)   |   |
| ACGO option converts to open circuit mode  |   |
| Anesthetic Gas Scavenging System(AGSS)   |   |
| Optional   |   |
| Vaporizer  |   |
| Agent  | Sevoflurane, Halothane, Enflurane, Isoflurane   |
| Installation mode  | Selectatec with interlock   |
| Filling type   | Pour-fill, Key-fill, Quik-fil   |
| Breathing system   |   |
| Operational modes  | Breathing circuit is circle mode  |
| Volume of absorber   | 1.5L for single canister  |
| APL range  | Spontaneous breathing (SP)-70 cmH <sub>2</sub> O  |
| Heating system   | 32~40°C   |
| CO <sub>2</sub> bypass   | Optional  |
| VENTILATOR OPERATING SPECIFICATIONS  |   |
| Ventilator   |   |
| Pneumatically driven, Electronically controlled  |   |
| Ventilation modes-standard   |   |
| Manual/Spontaneous   |   |
| Volume control (VCV)   |   |
| Pressure control (PCV)   |   |
| Ventilation modes-optional   |   |
| Pressure Controlled Ventilation Volume Guaranteed (PCV-VG)   |   |
| Synchronized Intermittent Mandatory Ventilation in Volume (SIMV-VC)  |   |
| Synchronized Intermittent Mandatory Ventilation in Pressure (SIMV-PC)  |   |
| Synchronized Intermittent Mandatory Ventilation in PCV-VG (SIMV-VG)  |   |
| Pressure Support (PS) / Continuous Positive Airway Pressure (CPAP)   |   |
| Bilevel Positive Airway Pressure Ventilation (BIVENT)  |   |
| Airway Pressure Release Ventilation (APRV)   |   |
| Volume Support Ventilation (VSV)   |   |
| Control input ranges   |   |
| Respiratory rate (Freq.)   | 2~100 bpm   |
| Positive end Expiratory pressure(PEEP)   | OFF, 3~50 cmH <sub>2</sub> O  |
| Inspiration/expiration (I:E)   | 4:1~1:8   |
| Tidal volume (Vt)  | 10~1500 ml  |
| Inspiratory time   | 0.2~5.0 s   |
| Inspiratory pressure (PTARGET)   | 5~70 cmH <sub>2</sub> O   |
| Pressure support level (ΔP)  | 3~60 cmH <sub>2</sub> O   |
| Pressure limit (PMAX)  | 10~100 cmH <sub>2</sub> O   |
| Trigger  | 0.5~15 L/min / -20~-1 cmH <sub>2</sub> O  |
| Inspiratory slope time (TSLOPE)  | 0.1~2 s   |
| Compensation   |   |
| Compliance and leakage compensation, fresh gas compensation, altitude compensation   |   |
| Ventilator monitoring  |   |
| Vt, MV, Freq, Ppeak, Pmean, Pplat, FiO <sub>2</sub> , PEEP, Resistance, Compliance, Driving Pressure, Stress Index, etc.                     |   |
| Option: CO <sub>2</sub> Concentration, Anesthetic Gas Concentration with MAC, Paramagnetic Oxygen Analyzer, Depth of Anaesthesia(qCON), SpO2 |   |
| Ventilator monitoring & alarm  |   |
| Screen   | 12.1" TFT color touch screen  |
| Graph display  | Waveforms of P-t, F-t, V-t, Option EEG, Agent, CO <sub>2</sub> ; loops of P-V, V-F, P-F, Option V-CO <sub>2</sub>   |
| Continuous trend information shown in the trend table and trend chart  |   |
| Alarm  | Excessive leakage, Low oxygen source pressure, High air source pressure, High airway pressure, Low oxygen concentration,Excessive output tidal volume, High concentration of N2O inhaled, High concentration of ISO/SEV/ENF/HAL/DES inhaled, persistent high airway pressure, Bypass mode started( 1 minute), Apnea, etc. |
| Alarm logging  | 500 items   |



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