MEDICAL SECTOR

ANESTHESIA MACHINE

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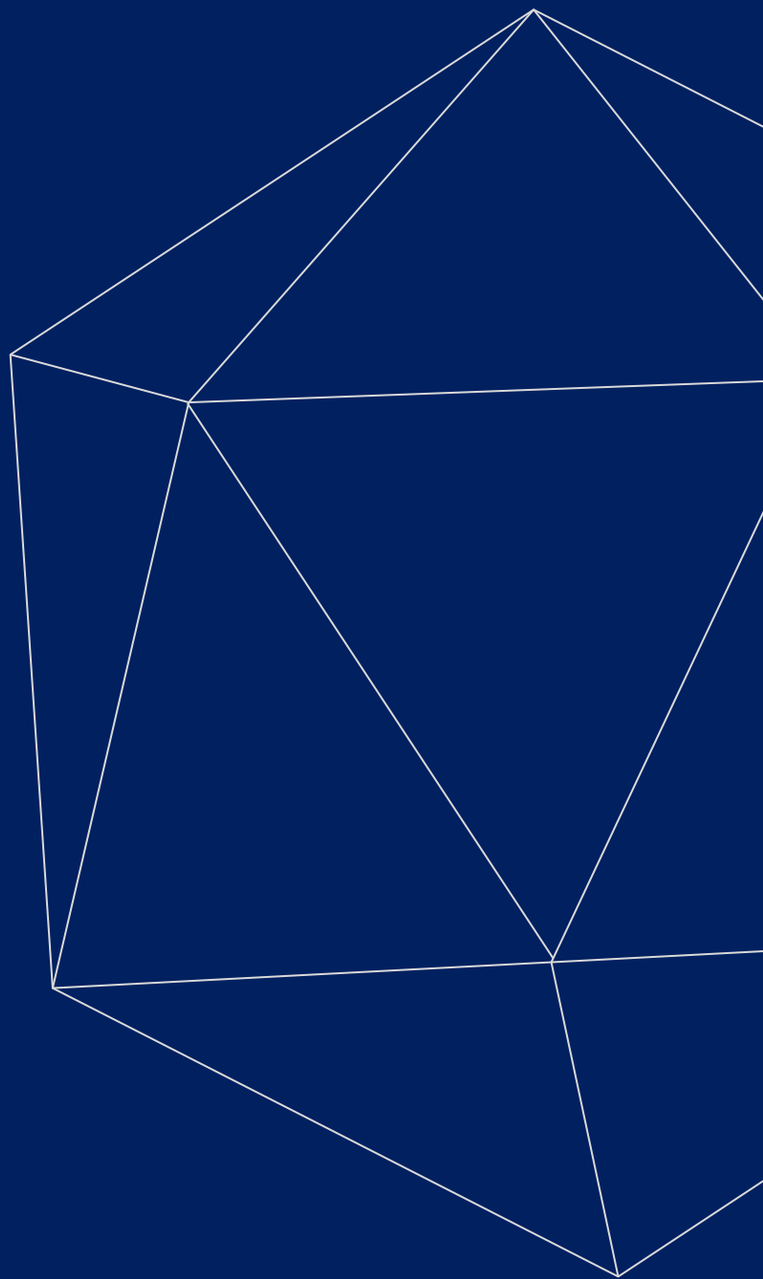

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ANESTHESIA MACHINE

KALSTEIN® Anesthesia Machine

Anesthesia Machine

Model YR02069

CE

Overview Machine Body:

- ✓ Powerful anesthesia workstation, suitable for high-end operating rooms in hospitals
- ✓ Compact body, reasonable height, easy for monitor placing, small area taking, castors for easy moving with brakes on the front castors
- ✓ Preheating free design, takes only 15 seconds self checking before work
- ✓ Large work table and three storage drawers
- ✓ Dual built-in vaporizer mounting positions
- ✓ Raised top cover plate frame design, with four power sockets equipped on the back for various anesthetic monitor accessories.
- ✓ Equipped with AGSS interface. Classic OHMEDA bellows structure, double-layer CO2 absorption tanks, compact breathing circuit, swing-out angle up to 90°

Flowmete:

- ✓ Gas sources: O2, N2O and Air to be configured, high precision 6 pipes flow meter with scale subdivided to 50ml/grid and error rate within 4%
- ✓ Full mechanic design ensures accurate gassing even under power failure
- ✓ 50ml O2 basic flow to fully meet the low flow and micro flow anesthesia needs
- ✓ Patented O2 and N2O linkage and hypoxia blocking safety device

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Vaporizer:

- ✓ Dragger vaporizer VAP2000 (sevoflurane, isoflurane)
- ✓ OHMEDA Tec7 vaporizer (isoflurane, enflurane)
- ✓ Tool free easy vaporizer mounting, standard self-lock and interlock device to ensure safety
- ✓ Closed-style dosing mode (hose key-fill or quick-fill dosing)
- ✓ Avoid accidental absorption and splashing pollution, with temperature, flow and pressure compensation design to ensure the stability of precision
- ✓ Able to initialize from 200ml or above of low flow to accurately deliver anesthetic
- ✓ Built-in double vaporizer mounting positions
- ✓ Equipped with one-way flow valve to avoid gas back flow caused by pressure changes
- ✓ With universal OHMEDA SELECTATEC interface

Monitoring Alarm:

- ✓ Imported sensors used for monitoring (like Germany variable bore differential pressure flow sensor), support quick replacement.
- ✓ Safety monitoring system includes:
- ✓ Self-check within 15 seconds after power on
- ✓ Electricity and gas integrated ventilator switch (can power on gas and electricity at the same time)
- ✓ Alarms include intraoperative airway abnormality alarm and equipment failure alarm Smart alarm: intelligent alarm grading and sorting (abnormal status of airway is related to time to achieve grading danger judgment and notification)
- ✓ Various notifications: grading alarm light and sound notification, content in text (6 channels alarm content)

Ventilation:

- ✓ Tide volume setting range: 20ml~1500ml (VCV), with precise dynamic tide volume compensation function
- ✓ Standard configured breathing mode: VCV, PCV, PEEP, PLV, manual, EIP, SIMV (with sub-modes of VCV+PSV and PCV+PSV), PSV
- ✓ Optional extracorporeal circulation mode for cardiac surgery
- ✓ 12.1 inch LCD screen with comprehensive respiratory mechanics monitoring software to display parameters: 3 waves 3 loops (pressure-time waveform, flow-time waveform, volume-time waveform, pressure-volume loop, pressure-flow loop, volume-flow loop) , can rearrange display sequence.
- ✓ Parameters and trend charts of airway pressure, frequency, tidal volume, minute ventilation, lung compliance, etc.
- ✓ Standard configured software display feature of EtCO2 parameter and waveform on the screen, with upgrading space for optional EtCO2 devices.
- ✓ Waterproof shortcut keys for respiratory setting buttons for convenient operation.

Circuit:

- ✓ Quick release sensor connector design, convenient for replacement. both aspiration and inspiration ends use Germany variable bore differential pressure sensors, with quick release flow sensor protective cover
- ✓ Classic OHMEDA ascending bellows structure, which can immediately identify air leakage in the circuit during operation (bellows cannot reach the top when exhale). The base can be disassembled without tools for preoperative air leakage detection, and connected with the straight pipe of the circuit board. Extremely small dead space, only 2.7L circuit volume.
- ✓ Bellows made of PPSU, which can withstand sterilization under 134℃ high temperature and pressure.
- ✓ Double-layer CO2 absorption tanks, which can be quickly disassembled and replaced through the back switch. 3L volume with 20ml catchment base and quick water releasing switch.
- ✓ All instruments and sensors in the circuit are equipped with quick release sealing sockets to ensure quick replacement without air leakage.
- ✓ Standard OHMEDA silicone pipeline and bellows.

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ANESTHESIA MACHINE

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Anesthesia Machine

Model YR02069

CE

Technical Parameters:

Model	YR02064	YR02065	YR02066	YR02067	YR02068	YR02069
Dimension	810x860x1360 mm (WxDxH)					
Weight	110 kg					
Type of anesthetic	Halothane, enflurane, isoflurane, sevoflurane, desflurane					
Gas supply	O2 + N2O or O2 + N2O + Air					
Inlet pressure	280 ~ 650kpa (350 ~ 400kpa recommended)					
Standard ventilation. mode	VCV, PCV, PLV, PSV, SIMV + VCV + PS, SIMV + PCV + PS					
Visual display	12.1 in color					
Value visualization (configured and measured)	Tidal volume, minute volume, respiratory rate, I: E ratio, pressure limit					
Graphic display	Airway pressure (Ppeak, Pmean, Pmax, Pplateau, PEEP), FiO2%, Compliance (ml / cmH2O), Pressure Support Level, Inspiratory, Window, P Trigger, Inspiratory End, EtCO2 and InCO2 (optional), CSI, BS%, SQI%, EMG% (optional)					
Optional expansion	Waveforms PT, FT, VT, PV, PF, FV loops (for compliance, resistance, leak analysis), EtCO2 waveforms (when optional, EtCO2 module is present), CSI, BS%, SQI, EMG waveforms (when optional CSM is present))					
Additional functions	12.1 “external color LCD, O2 * 2 / N2O * 2 / Air * 2, Manual / VCV / PCV / PSV / SIMV, 1x Ohmeda Tec-7 isoflurane	12.1 “external color LCD, O2 * 2 / N2O * 2 / Air * 2, Manual / VCV / PCV / PSV / SIMV, 1x Ohmeda Tec-7 isoflurane, 1xCSM	12.1 “external color LCD, O2 * 2 / N2O * 2 / Air * 2, Manual / VCV / PCV / PSV / SIMV, 1x Ohmeda Tec-7 isoflurane, 1xCSM, 1x mainstream Et CO2 (Respironics)	12.1 “external color LCD, E flowmeter, O2 * 2 / N2O * 2 / Air * 2, Manual / VCV / PCV / PSV / SIMV, 1x AGCO, 1x Ohmeda Tec-7 isoflurane	External 12.1 ″ color LCD, E-flowmeter, O2 * 2 / N2O * 2 / Air * 2, Manual / VCV / PCV / PSV / SIMV, 1x Ohmeda Tec-7 isoflurane, 1xCSM, 1xAGCO)	12.1 “external color LCD, E flowmeter, O2 * 2 / N2O * 2 / Air * 2, Manual / VCV / PCV / PSV / SIMV, 1x Ohmeda Tec-7 Isoflurane, 1xCSM, 1xAGCO, 1x Main Multigas Analyzer Phasein (CO2, N2O, 5 AA)

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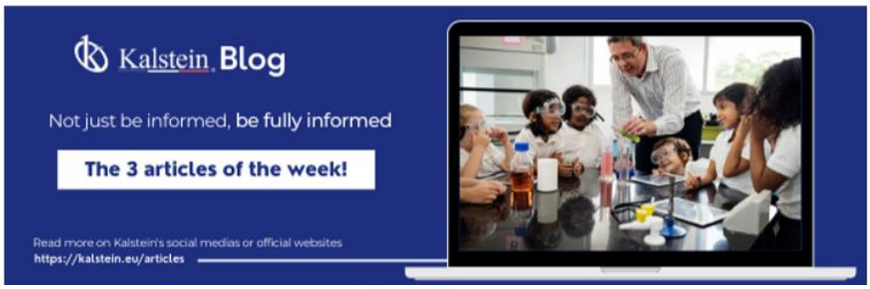

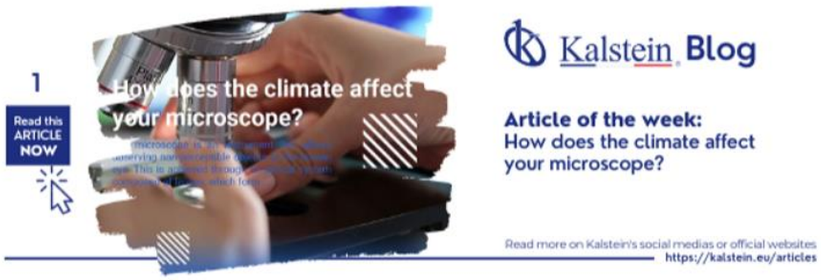

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