



Product Portfolio

A-mac Series Anaesthesia Workstation



SCHILLER
The Art of Diagnostics



Accurate

Facilitates the effective administration of anaesthesia and promotes smooth recovery



Adaptable

Adaptable to diverse patient demographics and surgical interventions



Reliable

SCHILLER's legacy continues to thrive with over 50 years of innovation & trust

A-mac S23 (2Gas / 3Gas)

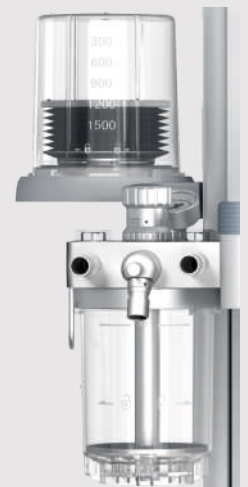


Introducing **SCHILLER's A-mac S23 (2Gas / 3Gas)**, an all-encompassing anaesthesia workstation, featuring a 2-gas and 3-gas system and low flow anaesthesia capabilities, designed to cater to adults, paediatrics, and infants, and integrated with a ventilator for unparalleled operational excellence.

Breathing System

- ❖ **Durable Construction** : Reliable aluminum-magnesium alloy build
- ❖ **Enhanced Efficiency** : Fast-release APL valve for improved post-surgery resuscitation
- ❖ **Patented Design** : Long-lasting, non-consumable components
- ❖ **Heightened Sensitivity** : Ultra-light ceramic one-way valve diaphragm for paediatric anaesthesia
- ❖ **Extended Operating Time** : Large 1.8L canister for continuous use

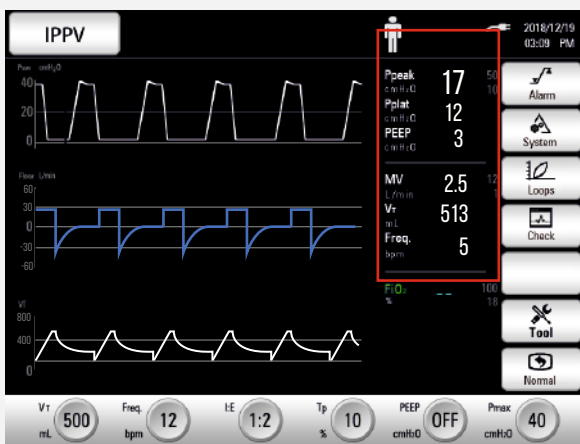
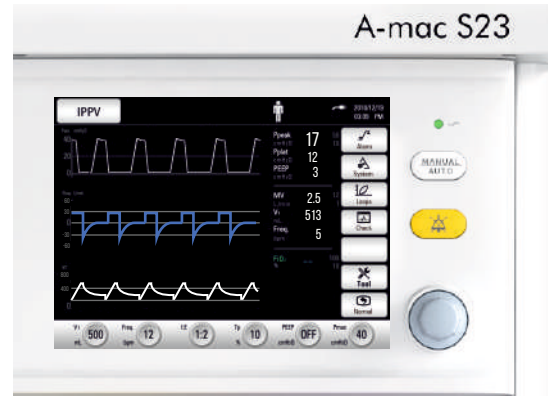
Robust & Non-consumable Differential Pressure Flow Sensor



Display

Experience ease of use with an 8.4" TFT touch screen and rotary knob for efficient parameter settings.

Enjoy the convenience of a mute button for silent operation for 2 minutes.



Monitoring System

Intuitive Monitoring

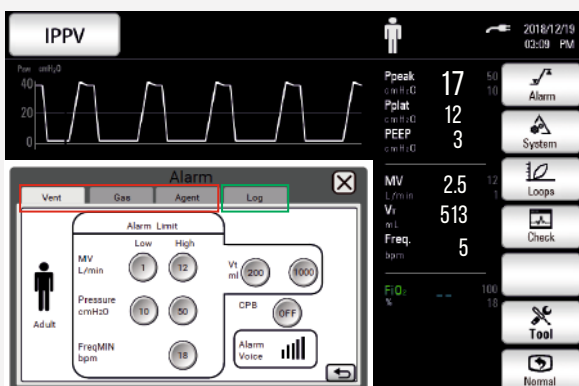
- ✦ Effortlessly track volume and pressure parameters
- ✦ Color-coded parameters for easy identification

User-Friendly Display

- ✦ Clear layout for quick navigation
- ✦ Easy operation keys for swift setting adjustments and efficient parameter confirmation

EtCO₂ & AGM Monitoring (Optional)

- ✦ Comprehensive Monitoring
- ✦ Non-invasive & User Friendly
- ✦ Intergrated alarms & alerts



Alarm System

Comprehensive Alarm System

- ✦ Covers ventilation, gas, and agent alerts
- ✦ 3-level alarm system for enhanced safety and security

Alarm Log

- ✦ Easy review of past incidents for monitoring purposes

A-mac E1



The **SCHILLER A-mac E1** anaesthesia workstation is an advanced solution designed for adults, paediatric, and infant patients. It features a versatile 3-gas system supporting low-flow anaesthesia, ensuring precise and efficient delivery. The integrated ventilator and spirometry loops enhances functionality and safety, making it a reliable choice for diverse anaesthetic needs.

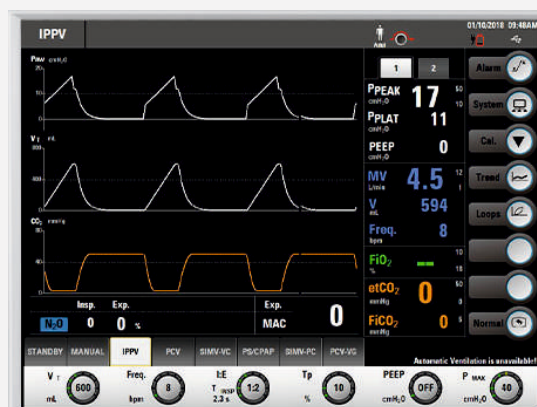
Advanced Magnesium Alloy Breathing System

- ❖ Safe, stable and efficient anaesthesia management
- ❖ An adjustable angle, easy installation and the user-friendly design makes maintenance easier
- ❖ The integrated heating system with better thermal conductivity helps prevent condensation and make patients feel more comfortable
- ❖ APL with fast release pressure, the pressure limit is accurately adjustable avoiding repeated operations and improving anaesthesia efficiency
- ❖ The breathing circuit has CO₂ bypass function



Ventilator Graphical User Interface

- ❖ **Accurate and Stable Tidal Volume Delivery:** 20-1500 ml range with precise 20 ml control
- ❖ **Precise Measurement:** Compliance, fresh gas, altitude, and leakage compensations ensure delivered volume matches set value
- ❖ **Easy Identification:** Color-coded parameters for quick identification of ventilator settings
- ❖ **Comprehensive Display:** Synchronized pressure, flow, and volume waveforms on the same screen
- ❖ **Quick-Access Ventilation Modes:** Fast selection and changes with quick-access keys



Display

- ❖ Featuring a spacious 10.4" touch screen
- ❖ Adjustable display allows for optimal viewing angles without needing to move the entire device
- ❖ Convenient rotary knob for effortless selection and adjustment



Spirometry Loops



Pressure-Volume Loop



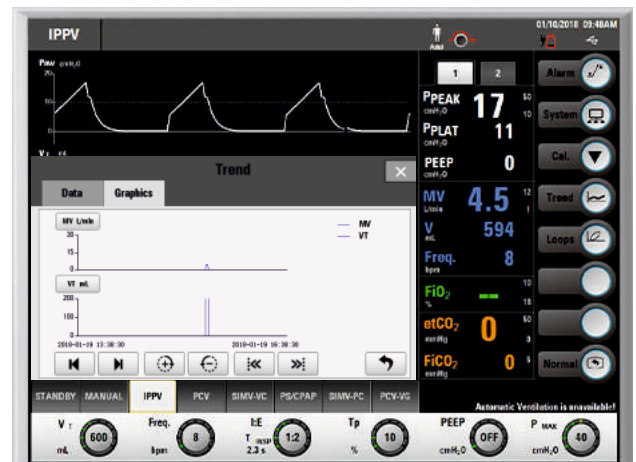
Volume-Flow Loop



Pressure-Flow Loop

Data Storage Capabilities

- ❖ **Comprehensive Recording:** Capture alarms, events, and trends for thorough monitoring
- ❖ **Parameter Storage:** Stores up to 17 parameters for detailed analysis
- ❖ **Extended Trend Storage:** Maintains trend data for up to 30 days
- ❖ **USB Export:** Easily imports data to USB devices for convenient access and review



A-mac E6

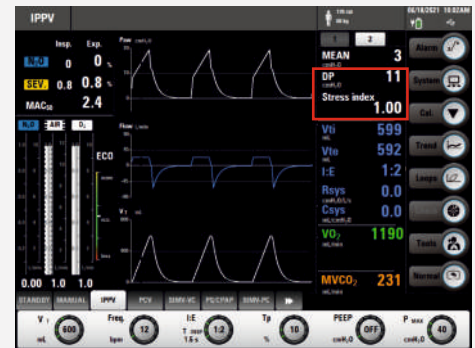


SCHILLER's A-mac E6 has a 12.1" touch screen with a rotary knob, digital flowmeter with a protection guard, and an auxiliary oxygen flowmeter. Its advanced breathing system includes a CO₂ bypass and sensitive paediatric valve. It also features a versatile tidal volume range, stress index, and recruitment maneuvers. The cardiopulmonary bypass mode improves post-surgery outcomes, while the ECO-Optimizer reduces agent and gas wastage.

- ❖ **TV Range:** Our device offers a versatile tidal volume range from 10 to 1500 ml, ensuring precise and customizable ventilation settings for patients of all sizes and conditions.

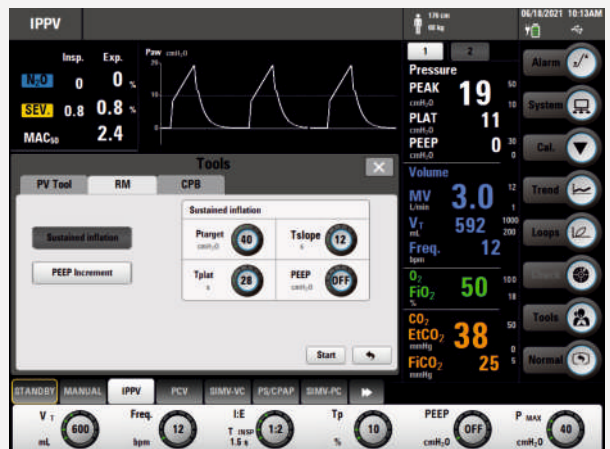
- ❖ **Driving Pressure (DP):** Using the formula: $DP = V_t / C$, our system calculates driving pressure to optimize ventilation effectiveness and patient comfort.

- ❖ **Stress Index:** Monitor patient respiratory distress with our stress index feature, allowing for proactive intervention and personalized care.

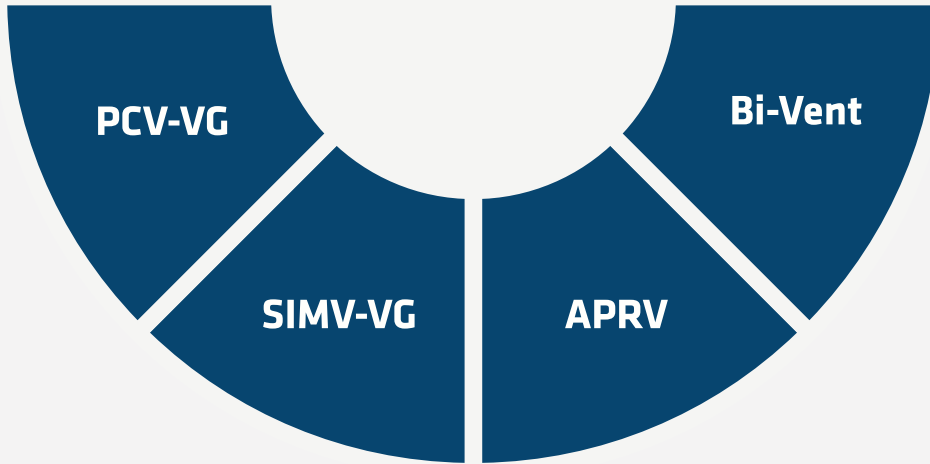


- ❖ **PV Tool:** Includes UIP and LIP measurements for accurate ventilator parameter adjustments.

- ❖ **Recruitment Maneuver:** Employs Open Lung and Keep it Open techniques to enhance oxygenation and lung compliance.

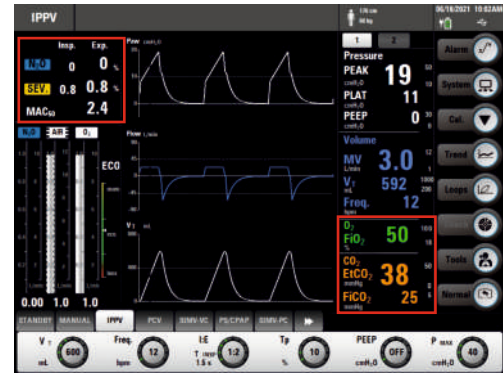


Advance Modes of Ventilation



EtCO₂ & AGM Monitoring (Optional)

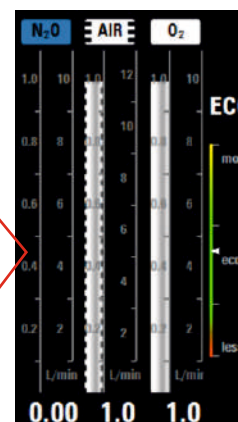
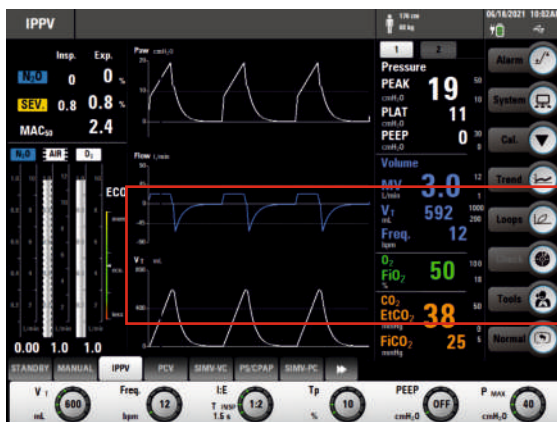
- ❖ Comprehensive Monitoring
- ❖ Non-invasive & User Friendly
- ❖ Intergrated alarms & alerts



Virtual Flowmeter & ECO Optimizer

Discover our intelligent delivery system for fresh gas, featuring a Digital Flowmeter equipped with ECO-Optimizer technology, specifically designed to enhance clinical operations during low flow anaesthesia.

The ECO-Optimizer seamlessly guides clinicians by indicating the optimal fresh gas flow setting based on the predetermined parameters and the patient's minimum oxygen requirement. This intelligent feature ensures safe low-flow anaesthesia while effectively reducing agent and gas wastage and promoting efficiency and sustainability in moderate to severe surgical procedures.



Anaesthesia Portfolio

A-mac Series



	A-mac S23 (2Gas)	A-mac S23 (3Gas)	A-mac E1	A-mac E6
Patient Category	Adult, Paediatric, Infant	Adult, Paediatric, Infant	Adult, Paediatric, Neonatal	Adult, Paediatric, Neonatal
Screen Size	8.4" touch screen	8.4" touch screen	10.4" touch screen	12.1" touch screen
Tidal Volume	20-1500 ml	20-1500 ml	20-1500 ml	10-1500 ml
Mode of Ventilation	IPPV, PCV, SIMV-VC, SIMV-PC, PSV/CPAP, Manual	IPPV, PCV, SIMV-VC, SIMV-PC, PSV/CPAP, Manual	IPPV, PCV, SIMV-VC, SIMV-PC, PSV/CPAP, PCV-VG, Manual	IPPV, PCV, SIMV-VC, SIMV-PC, PSV/CPAP, PCV-VG, APRV, SIMV-VG, BiVent, Manual
Loops	P-V, F-T	P-V, F-T, F-V	Pressure, Volume, Flow Loops	Pressure, Volume, Flow Loops
AGM / EtCO₂ Monitoring	Optional	Optional	Optional	Optional
AGSS	Passive: Standard Active: Optional	Passive: Standard Active: Optional	Passive: Standard Active: Optional	Passive: Standard Active: Optional
Battery	120 minutes	120 minutes	120 minutes	120 minutes
Co2 Bypass Function	-	-	Standard	Standard
Vaporizers Mount	2, Selectatec Mount	2, Selectatec Mount	2, Selectatec Mount	2, Selectatec Mount
Auxiliary O2 Output	Optional	Optional	Standard	Standard

Scan here to know more



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The Art of Diagnostics

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