

# A Series

## ADVANTAGE



Advancing Anesthesia Care

**mindray**

# A Series ADVANTAGE

ADVANCED ANESTHESIA SYSTEMS



## Clinician Focused Flexibility

The A-Series Advantage anesthesia delivery platform enhances patient care and improves user satisfaction. With more choices in ventilation modes and support, you can build the ideal configuration to create a system that will fulfill both clinical and financial requirements, even as they change over time.



# A Strong Foundation

A-Series Advantage systems offer a consistent, simple approach to anesthesia delivery. The user interface is intuitive, easy to navigate, and the digital technology facilitates precise setting adjustments and ventilation modes.

Standard ventilation modes include Manual/Spontaneous breathing, Volume Control, and expanded Pressure Support with CPAP, with many additional advanced ventilation modes standard on the A5 and A7 systems.

Optional advanced ventilation modes and features are available on all systems, as needed, to ensure your clinical needs are met.



The **A4 Advantage** is a flexible anesthesia delivery solution with an adaptive design including customizable ventilation capabilities.

The **A5 Advantage** system offers modular scalability with enhanced functionality. Advanced ventilation modes, central locking brake, and a high pressure O<sub>2</sub> port are included in the standard configuration with optional features available to support your specific clinical needs.

The **A7 Advantage** anesthesia workstation further expands A-Series capabilities with electronic fresh gas technology to ensure precise flow dynamics and low flow anesthesia delivery. Sample gas is recycled into the breathing system, reducing the amount of fresh gas and agent used. Additionally, customizable settings for direct or total flow options are all available.

# Scalable Functionality

## Anesthesia Gas Module (AGM)

The AGM is an available option on all A-Series Advantage systems providing integrated gas analysis or used as a module with Mindray patient monitors.

- 5-agent auto ID
- Age-based MAC
- Capnography
- Paramagnetic sensors allow breath by breath O<sub>2</sub> measurement

## Optimizer™

The Optimizer is designed to support low flow anesthesia and reduce inhalation agent usage on all Advantage systems.

- Manage intraoperative fresh gas dynamics
- Visualize real-time intra-case agent usage
- Quantify actual end of case agent consumption values







## Advanced Ventilation Modes

The Advantage platform offers industry leading ventilation capabilities in a variety of optional packages.

**APRV** (Airway Pressure Release Ventilation) is an advanced ventilation mode designed for patients with chronic lung issues such-as ARDS, atelectasis, refractory hypoxemia, or other trauma. By incorporating a short expiratory phase of ventilation, this mode helps maintain “natural” breathing variability, increases venous return/cardiac output, improves CO<sub>2</sub> elimination, and prevents expiratory collapse of the airways.

**SIMV-VG** (Synchronized Intermittent Mandatory Ventilation with Volume Guarantee) offers a combination of advanced ventilation parameters in one mode. This ventilation mode supports synchronized and spontaneous breathing with Volume Guarantee to reduce the risk of barotrauma in patients.

**Lung Recruitment** is a procedure aimed at re-expanding collapsed lung tissue while maintaining the options of high positive and expiratory pressure (PEEP) to prevent subsequent derecruitment. This mode supports the Recruitment Preset Procedure and Recruitment Pressure Adjust maneuvers which may support clinical patient care.

# Choose the Mindray Advantage

**Low Cost of Ownership** All A-Series Advantage systems come with a standard 3-year warranty and require only one annual preventative maintenance service check. With the choice of either single use pre-fill or bulk soda lime, ongoing costs can be reduced. Advanced ventilation modes improve efficiency positively impacting both the cost associated with anesthesia agents and the environment.

**Engineered for Patient Safety** Auxiliary O<sub>2</sub>/Air mixer delivers blended gas and regulates the combustible O<sub>2</sub> percentage being delivered via nasal cannula, reducing the risk of airway fire. A warmed breathing system minimizes internal condensation enhancing system reliability, along with a robust battery backup.

**Integration and Connectivity** Best in class connectivity and integration utilizing HL7 offers a direct interface to hospital systems and EMRs. With the ability to share data from Mindray patient monitors, the A-Series Advantage supports all acuity environments, enabling visibility of a CO<sub>2</sub> waveform on your preferred screen.

## Consider Standardization Benefits

Standardization of equipment throughout an individual facility or large hospital network is easily facilitated with our common, intuitive user interface and makes transition across acuity levels easier.

Partnering with Mindray not only complements your workflow, but also allows for a single source supplier of anesthesia delivery systems, patient monitors, and ultrasound systems.





## healthcare within reach

Mindray is a leading developer, manufacturer and supplier of medical device solutions and technologies used in healthcare facilities around the globe. We believe we can change lives by making the most advanced healthcare technology attainable for all. We do this by empowering healthcare professionals through innovative, high-value solutions that help create the next generation of life-saving tools across patient monitoring, anesthesia delivery and ultrasound imaging.

We are creating innovative, disruptive and game-changing products and partnerships, shaping a new conversation for healthcare providers across North America. We work with thousands of healthcare providers day-to-day to drive the development and implementation of smarter technology – solutions that are simple and affordable, easy to adapt, and return bottom line results and meaningful outcomes. Together, we are creating a higher standard for healthcare.

**Mindray North America is headquartered in Mahwah, New Jersey. Our Ultrasound Innovation Center is located in San Jose, California with additional facilities in Nashville, Tennessee and Seattle, Washington.**



driven



trustworthy



progressive

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