

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 expanded Pressure Support with CPAP, Volume Control (VCV), and Manual/Spontaneous breathing, with many optional advanced ventilation modes.



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 O₂ 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 O₂ 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 CO₂ 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 O₂/Air mixer delivers blended gas and regulates the combustible O₂ 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 where enhanced visibility of a CO₂ waveform on the patient monitor is preferred.

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.



Advanced Ventilation Packages



Ventilation Package	Ventilation Modes	Part Number
Expanded Ventilation	PCV, SIMV-VC, SIMV-PC	121-001425-00
Volume Guarantee	PCV - VG and SIMV-VG	121-001426-00
Optimizer	Optimizer low-flow decision tool	121-001456-00
Expanded Ventilation and Optimizer	PCV, SIMV-VC, SIMV-PC and Optimizer	121-001489-00
Volume Guarantee and Optimizer	PCV - VG and SIMV-VG and Optimizer Package	121-001488-00
Volume Guarantee and Expanded Ventilation	PCV - VG and SIMV-VG, PCV, SIMV-VC, SIMV-PC	121-001487-00
Volume Guarantee, Expanded Ventilation and Optimizer	PCV - VG and SIMV-VG, PCV, SIMV-VC, SIMV-PC and Optimizer	121-001486-00



Ventilation Package	Ventilation Modes	Part Number
Advanced Ventilation	SIMV-VG and APRV	121-001423-00
Functions	Spirometry and Bypass	121-001427-00
Optimizer	Optimizer low-flow decision tool	121-001456-00
Lung Recruitment	Lung Recruitment support tool	110-005777-00
Optimizer and Functions	Optimizer, Spirometry and Bypass	121-001485-00
Advanced Ventilation and Optimizer	SIMV-VG, APRV and Optimizer	121-001469-00
Advanced Ventilation and Functions	SIMV-VG, APRV, Spirometry and Bypass	121-001483-00
Advanced Ventilation and Lung Recruitment	SIMV-VG, APRV and Lung Recruitment	121-001471-00
Advanced Ventilation, Optimizer and Functions	SIMV-VG, APRV, Optimizer, Spirometry and Bypass	121-001482-00
Advanced Ventilation, Lung Recruitment and Optimizer	SIMV-VG, APRV, Lung Recruitment and Optimizer	121-001470-00
Advanced Ventilation, Lung Recruitment and Functions	SIMV-VG, APRV, Lung Recruitment, Spirometry and Bypass	121-001480-00
Advanced Ventilation, Lung Recruitment, Optimizer and Functions	SIMV-VG, APRV, Lung Recruitment, Optimizer, Spirometry and Bypass	121-001479-00
Lung Recruitment and Optimizer	Lung Recruitment and Optimizer	121-001472-00
Lung Recruitment and Functions	Lung Recruitment, Spirometry and Bypass	121-001484-00
Lung Recruitment, Optimizer and Functions	Lung Recruitment, Optimizer, Spirometry and Bypass	121-001481-00



- Mindray Global Offices
- ◉ Mindray R&D / Mfg Operations

Mindray is a focused, innovative, and accessible provider of patient monitoring, anesthesia, and ultrasound technologies and solutions. At Mindray, we view ourselves as an extension of our customers and we define our success through you. In exchange for your investment in our solutions, we give you our commitment; a promise to work collaboratively at every step, to satisfy your organization's most critical goals.

By eliminating annual licensing and maintenance fees, the total cost of ownership of Mindray systems is among the lowest in the industry. Clinical education specialists provide your staff with comprehensive, on-site product training and in-service support. Our dedicated field service team and in-house technical support organization comprise one of the largest, most experienced direct service teams in the industry.

Mindray North America is proudly headquartered in Mahwah, New Jersey, and has an impressive infrastructure of expert field sales and support professionals covering the United States, Canada and Puerto Rico.



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