A Series
ADVANTAGE

Advancing Anesthesia Delivery

The *NEW* A-Series Advantage platform adds significant functionality to the popular A5 and A7 anesthesia systems, offering compelling benefits that enhance clinical care and improve user satisfaction.

Customer Focused Scalability

With new functionality and modular flexibility, A-Series Advantage meets today's clinical and administrative demands and is positioned to address changing needs over time.

Advanced Functionality

Additional advanced ventilation modes like SIMV with Volume Guarantee, APRV and Lung Recruitment provide universal ventilation across all acuity levels.

Enhanced Integration and Connectivity

Sharing data between A-Series and Passport 12m / 17m multi-parameter monitors allows visibility of CO_2 waveform without impeding A-Series Optimizer efficacy.

mindray
healthcare within reach

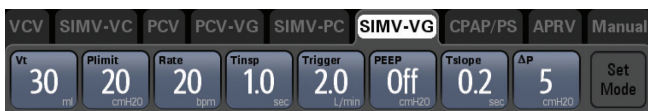# A-Series Advantage Options

Advantage Basic Upgrade

Expanded Ventilation – This software and hardware upgrade provides the foundation for the optional Advantage packages. Included is the new CPAP/PS mode, which expands the parameters of Pressure Support ventilation. This improved spontaneous breathing mode allows clinicians to differentiate ventilation support depending on whether the patient is breathing spontaneously or is apneic.

The Advantage Upgrade is required when purchasing any combination of the new Advantage packages.

Advanced Ventilation Package

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

APRV (Airway Pressure Release Ventilation) is an advanced ventilation mode designed for chronic lung issues like ARDS, persistent atelectasis, refractory hypoxemia, as well as for trauma patients. By incorporating a short expiratory phase of ventilation, this mode helps maintain "natural" breathing variability, increases venous return/cardiac output, improves CO_2 elimination, and prevents expiratory collapse of the airways.
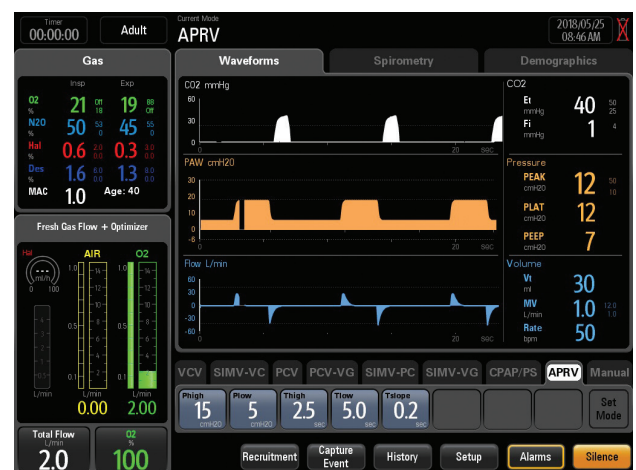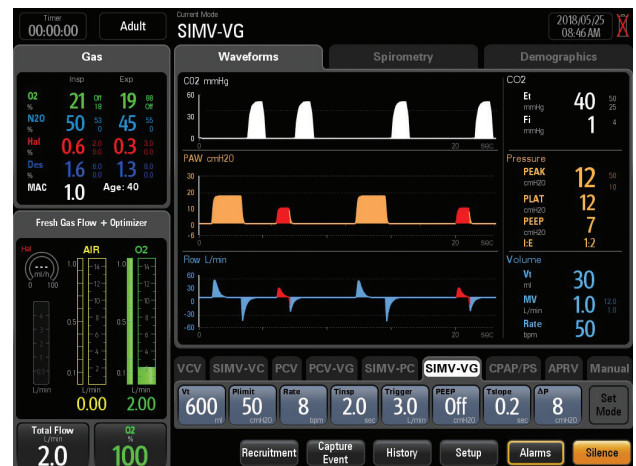

Gas monitoring flexibility with A7

The A7 Advantage can be configured to scale gas monitoring integration based on facility preference. In addition to full integration of gas analysis, the A7 can now simply monitor O_2 for those who prefer to display gas and CO_2 data on the patient monitor.

Improved IT position

Mindray Anesthesia has best in class connectivity. Utilizing HL7 IHE PCD connectivity, the A-Series offers a direct interface to hospital systems and EMRs. The Advantage platform allows the A5 and A7 Advantage systems to import ADT data to the A-Series demographics tab, including patient age for age-based MAC calculations, supporting *meaningful use* initiatives.
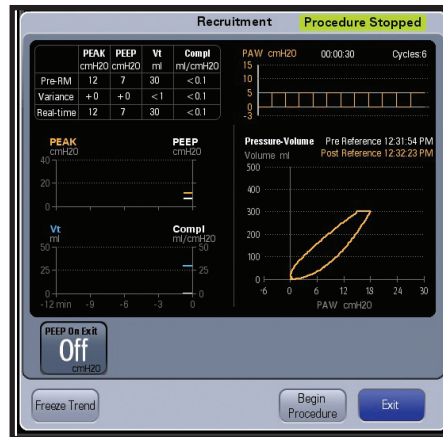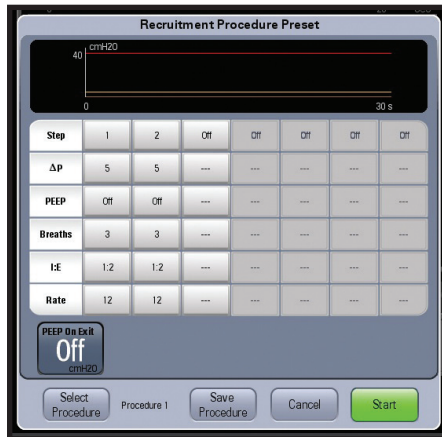
A7 Advantage System

Lung Recruitment Package

Lung Recruitment is a procedure aimed at re-expanding collapsed lung tissue, while maintaining the option of high PEEP to prevent subsequent derecruitment, targeting patients with an acute/short term need. Lung Recruitment has several applications to support patient care and improve clinical workflow. There are two Recruitment maneuvers:
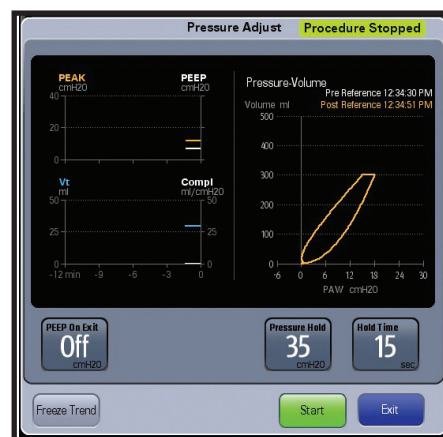
Recruitment Preset Procedure

Ability to pre-set recruitment parameters

Recruitment Pressure Adjust

Spirometry loops displayed on screen to visualize recruitment effectiveness
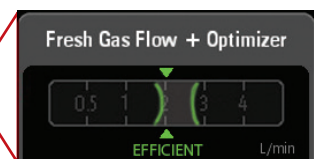
Expanded Optimizer™ Package

The **Optimizer** is now available with the A5 Advantage system. When used together with the Mindray gas module (AGM), clinicians benefit from the low flow decision support tools of the Optimizer suite:

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

Mindray's Optimizer is designed to support low flow anesthesia and reduce inhalation agent usage, thereby improving the cost position associated with general anesthesia while improving the environmental footprint.

Optimizer with A5 Advantage System

A-Series Advantage Program

		A5 Model	A7 Model
Advantage Basic Upgrade – Hardware and Software Upgrade	CPAP/PS	✓	✓
	Improved IT - import patient data to A-Series demographics tab (available only with eGateway and ADT server)	✓	✓
	Removable gas module	✓ *	✓

		A5 Model	A7 Model
Advanced Ventilation Package**	APRV & SIMV-VG	✓	✓
Lung Recruitment Package**	Includes two beneficial Lung Recruitment maneuvers	✓	✓
Expanded Optimizer Package**	Optimizer feature available with Mindray AGM gas module in A5/A7anesthesia system or in Mindray 17m/12m patient monitor	✓	✓ *

* Indicates feature already available in system

** Requires Advantage Basic Upgrade

Mindray is a focused, innovative, and accessible provider of patient monitoring, anesthesia, and ultrasound technologies and solutions. It is our mission to set the standard by which others will be measured. At Mindray, we view ourselves as an extension of our customers and define our success through you. As your trusted partner, our goal is your success. 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.

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