

A Series

ANESTHESIA SYSTEMS



intuitive | effortless | precise

mindray

Elapsed Time: 02:36:15

ADULT

Current Mode: **VCV**

Demographics: 10/13/2012 2:38 PM

Gas

| | Insp | Exp |
|--------------------|---------------|---------------|
| O ₂ % | 50 (100/18) | 45 (100/22) |
| N ₂ O % | 50 (75/0) | 45 (100/0) |
| Sev % | 0.7 (Off/Off) | 1.0 (Off/Off) |
| MAC | 1.3 | Age: 25 |

Fresh Gas Flow

| Gas | Flow (l/min) |
|------------------|--------------|
| N ₂ O | 1.50 |
| Air | 0.00 |
| O ₂ | 1.50 |

Waveforms

- CO₂ mmHg: Shows two square-wave pulses.
- Paw cmH₂O: Shows a pressure waveform with a peak of 25 cmH₂O.
- Flow L/min: Shows a square-wave pulse with a peak of 8 L/min.

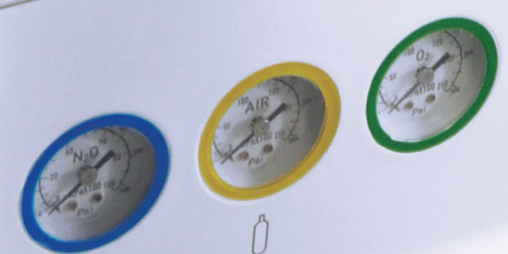
Parameters

| Parameter | Value | Range |
|----------------------------------|-------|-------|
| Et mmHg | 58 | 99/50 |
| Fi mmHg | 2 | 48/1 |
| Pressure PEAK cmH ₂ O | 25 | 50/10 |
| PLAT cmH ₂ O | 18 | |
| PEEP cmH ₂ O | 3 | |
| I:E | 1:2 | |
| Volume V _T ml | 600 | |
| MV Liter | 4.8 | 12/1 |
| Rate bpm | 8 | |

Mode: **VCV** (SIMV-VC, PCV)

V_T 600 ml, Rate 8 bpm, I:E 1:2, T_{pause} 25%, PEEP 3 cmH₂O

Buttons: Discharge, Standby, Manual



A growing family of **A Series** anesthesia systems

intuitive

The A5 and A3 have an easy to use user interface and ergonomic design that simplifies workflows. The 15" touch-screen enables clinicians to easily select ventilation settings, so less time is spent maneuvering and more time is devoted to patient care. The A5 central brake and integrated cable sweeps enhance device mobility.



effortless

The HL7 architecture provides the industry standard interface for anesthesia information management systems (AIS), and electronic medical records (EMR). Connect both the A5 and A3 through this open protocol and reduce the time and expense needed to integrate your medical data.



precise

The A5 provides a SIMV-PC and Volume Guarantee in PCV, along with VCV, PCV, PS and SIMV-VC ventilation modes, enabling effective care across a wide range of patient acuity types. Integrated spirometry offers the clinician additional respiratory information.



A5™

ANESTHESIA SYSTEM



Integrated gas bench module

A5 features:

- Volume Control Ventilation (VCV) and Pressure Control Ventilation (PCV) with volume guarantee
- Pressure Support (PS) ventilation
- Synchronized Intermittent Mandatory Ventilation in volume or pressure modes (SIMV-VC and SIMV-PC)
- Manual/spontaneous breathing mode with respiratory monitoring capability
- Optional integrated gas analysis provides dual agent auto identification, age-based MAC values and Capnography
- 15" touch-screen user interface
- Warmed to body temperature, Breathing System that virtually eliminates internal condensation
- Central brake and built in caster guard design clears away cables and hoses
- Single container absorber reduces compressible volume and accepts non-proprietary prepackaged and loose fill absorbent. Self sealing design accommodates canister replacement at any time
- High-pressure O₂ port supports jet ventilators
- Spirometry loops
- Integrated backup screen control touchpad
- Deck lighting with adjustable brightness
- Robust safety concept with 2 hour battery back up and the ability to deliver all fresh gas and vaporized agent to the patient, regardless of power state
- Unique Auxiliary O₂ /Air cannula allows the blending of air into the nasal cannula to potentially reduce the risk of surgical fire
- Gas monitoring available in automatic, manual and standby ventilation modes

A3™

ANESTHESIA SYSTEM



A3 features:

- Volume Control Ventilation (VCV), Pressure Control Ventilation (PCV), Pressure Support (PS) ventilation
- Synchronized Intermittent Mandatory Ventilation in volume (SIMV-VC) mode
- Manual/spontaneous breathing mode with respiratory monitoring capability
- 15" touch-screen display with large numbers and clear waveforms
- Warmed to body temperature, Breathing System that virtually eliminates internal condensation
- Ergonomically tilted screen for comfortable touch interaction and visibility
- Automatic compliance and fresh gas compensation maintain accurate tidal volumes with a wide range of fresh gas flows and breathing circuits
- Economical single container absorber reduces compressible volume and accepts non-proprietary prepackaged and loose fill absorbent
- Deck lighting with adjustable brightness control
- HL7 interface with fully compliant IHE-PCD profile for interoperability to AIMs and EMR systems
- Robust safety concept with 2 hour battery back up and the ability to deliver all fresh gas and vaporized agent to the patient, regardless of power state
- Unique Auxiliary O₂ /Air cannula allows the blending of air into the nasal cannula to potentially reduce the risk of surgical fire



• Mindray global offices

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