mindray

SV800/SV600

Ventilator

All Intelligence Leads to Ease

www.mindray.com

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healthcare within reach

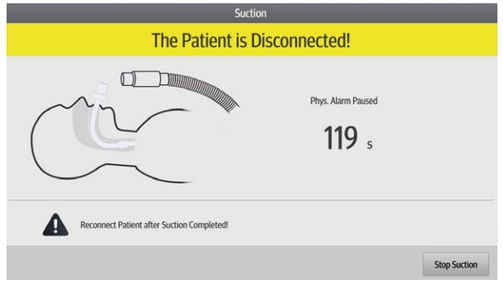
Operational freedom

In busy clinical environments, ease of use is a fundamental requirement for all medical devices. The new Mindray SV800/SV600 ventilators enable clinicians to set and deliver ventilation therapies quickly and easily via the intelligent ergonomic design and flat user interface.

- 1080p HD resolution
- Capitative touch screen supports screen gestures
- 360° view

PulmoSight™ Pro
Graphically displays resistance, compliance, spontaneous breathing status and lung injury risks in real-time. Together with the dynamic short trends, clinicians are able to monitor and evaluate changes in the patient's conditions.

User configurable UI
The SV800/SV600 ventilator offers exceptional usability. Users are able to configure frequently used parameter controls by creating quick-access shortcut keys in the UI. Also, the ventilation mode keys can be arranged in order of frequency of use. This enables you to customize the device, making the parameter adjustment easier and quicker.



Graphic guidelines
The new, more intuitive display features enhanced graphics which allows users to navigate and locate mode and parameter controls quickly, thereby reducing errors and improving efficiency.

Single level menu design
Moving away from more cumbersome, menu-style control, the flat-screen menu UI ensures that frequently used controls are located in the most easily accessible position of the UI.

Minimal Maintenance
Routine maintenance requires no tools. The new 'door design' means that no tools are required to perform regular routine maintenance of the oxygen sensors, water trap, fan dust filter, HEPA air intake dust filter, etc. This ensures your new device always remains clean and clutter free.

Make the right decision

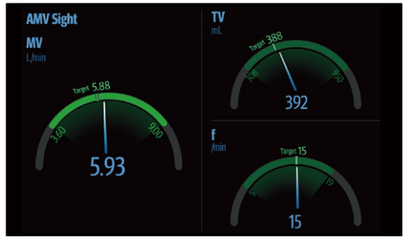
Ventilation modes and decision-supporting tools like Intelligent Assistant are developed on the basis of clinical needs and professional guidelines to help medical personnel calmly make clinical decisions.

Advanced Ventilation Modes

Intelligent ventilation AMV™

AMV™ is a ventilation mode that automatically adapts to patient status, relieving clinician's workload.

- Based on the widely recognized Otis minimum breathing work principle
- Automatically adjusts Vt, f, I:E
- Adapts to mandatory to full spontaneous ventilation
- AMV Sight graphically displays the control status



Emergency ventilation CPRV™

The innovation CPRV™ has been specially developed for CPR procedure.

- Integrates mindray unique Electronic Impendence Threshold Device (e-ITD™) technology
- Improves venous return and helps improve perfusion
- CO_2 monitoring to detect Return of Spontaneous Circulation (ROSC)

High flow oxygen therapy HFOT

HFOT combined with active humidification can improve oxygenation and enhance patient comfort.

- Max O_2 therapy flow up to 80L/min
- Support active humidification and warming
- Improved patient comfort and removal of CO_2

Powerful Tools

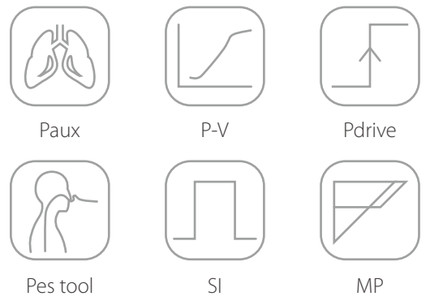
Advanced synchronization technology

IntelliCycle™ Pro automatically adapts to the patient breathing pattern based on waveform analysis thus improving the patient-ventilator synchrony.

- Reduces patient's work of breathing by adjusting inspiratory and expiratory trigger sensitivity
- Avoids pressure overshoot or flow starvation

Lung protection tools

Comprehensive lung protection tools include Auxiliary pressure monitoring, Pes tool(Catheter positioning tool, Pes filter, Pres baseline correction), Static PV Loop, lung recruitment tool (Sustain inflation), and advanced monitoring parameters, to help clinicians assess the status of the lung and conduct lung protective strategies.

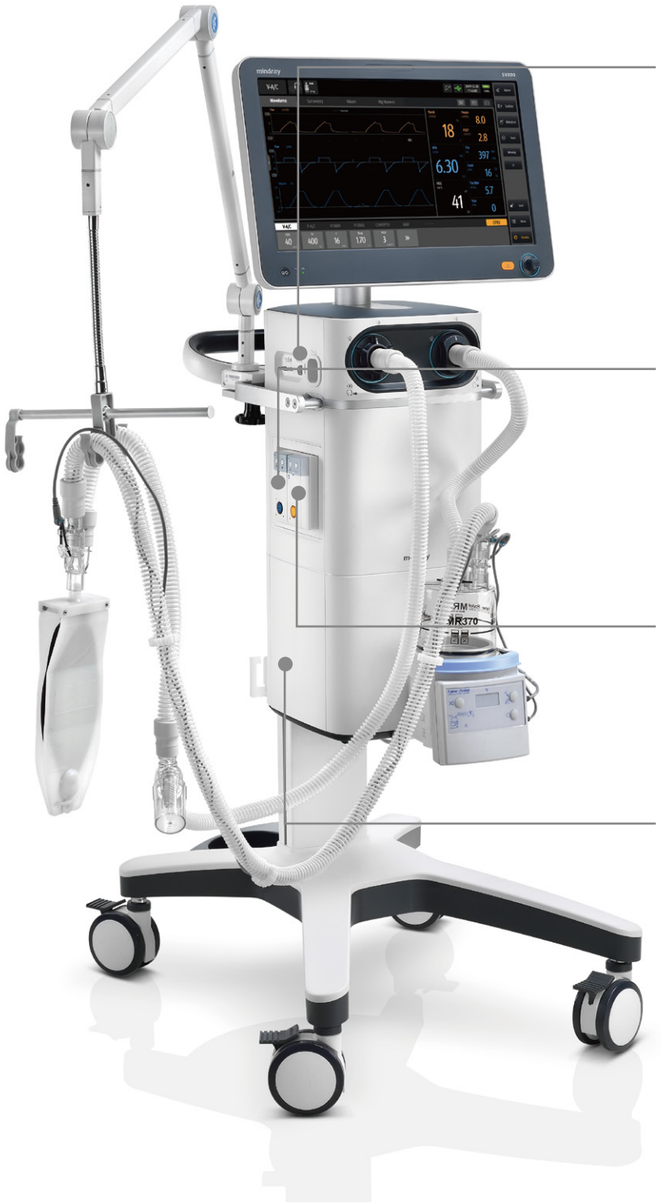


Easy-to-use weaning tools

Reduce clinicians' workload while ensuring patient safety using standardized weaning protocol with continuous monitoring and result prompts.
Provides comprehensive weaning assistive tools such as RSBI, NIF, P0.1 to evaluate the potential for weaning.

Connect freedom

The fields of clinical devices and internet technology continue to advance and become ever more integrated. Securing your devices' future relies on being able to expand your devices' capabilities by integrating or interacting with new concepts and technologies. The new SV800/SV600 ventilators are designed to be accessible to new technological advancements in both electronic software and hardware.



Integrated neonatal module (optional)

Thanks to the precision control technology of its proximal flow sensor, the new SV800/SV600 ventilators can accurately deliver minimum Tidal Volumes as low as 2 ml to meet both invasive and non-invasive ventilation requirements for neonatal patients.

SpO_2 module

Use the Plug & Play module which is compatible with auxiliary monitors. Its parameters can be integrated into weaning tools, and it can help to optimize the respiratory monitoring process, effectively decreasing the procurement and management costs of relevant departments.

CO_2 module

Both mainstream or sidestream Plug & Play CO_2 modules are compatible with monitors. CO_2 monitoring is an option for CPRV, and can be integrated into weaning tools.

Backup air supply

In the event of central air supply faliure, the new SV800 / SV600 ventilator switches quickly to a backup air supply.
The backup air supply utilizes a high-performance turbine enabling the user to continue to use the ventilator safely and with full functionality whilst benefiting from lower noise levels and longer service life.

Hospital network connection

The SV800/SV600 can be connected to central monitor system(CMS) easily via cable or Wi-Fi to realize multi-bed ventilator centralized monitoring and single-bed fusion monitoring. Among this ventilator can obtain SpO_2 and CO_2 data from CMS, help clinicians evaluate patient's weaning status more efficiently.

Multi-bed ventilator centralized monitoring

Single-bed fusion monitoring

SBT fuses with CMS SpO_2 and CO_2 data