Email: ukcustomerservice@mindray.com
Tel: 01480 416840

Mindray UK Ltd, Hinchingbrooke Business Park, Huntingdon, PE29 6FN

www.mindrayuk.com

P/N: ENG-SV800/SV600-210285X8P-20171113

mindray
healthcare within reach

SV800/SV600

Ventilators

mindray

Operational freedom

In a modern, busy clinical environment, ease of use is a fundamental requirement for all medical devices. With this in mind, the new Mindray SV800/SV600 ventilators enable clinicians to set and deliver ventilation therapies quickly and easily via the intelligent ergonomic design and simple user interface.

360° view

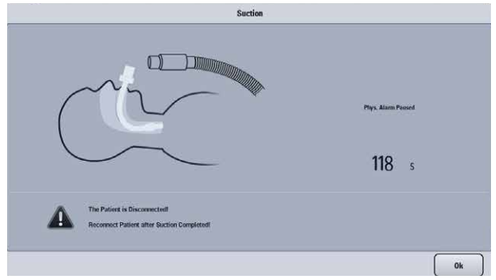
1080p HD resolution

PulmoSight ™

Utilises numerical and graphical displays to show real-time resistance, compliance and spontaneous breathing status. Combined with the dynamic short-trend display, clinicians are able to monitor and evaluate changes in the patient's pulmonary ventilation and initiate appropriate therapies.

Configurable user interface

SV800 and SV600 ventilators offer exceptional user flexibility. Configure frequently used parameter controls through quick access short-cut keys. Also, the most used ventilation mode keys can be arranged on-screen. This customisation helps make parameter adjustments quicker and easier.



Graphic guidelines

The intuitive graphical display enables users to quickly learn how to navigate and locate mode and parameter controls, thereby reducing errors and improving efficiency.

Single level menu design

The flat, single level menu ensures that frequently used controls are quickly located and also helps with training of new users.

Minimal maintenance

The 'door design' means that no tools are required to perform regular routine maintenance of the oxygen sensors, water trap, fan dust filter or HEPA air intake dust filter. This helps reduce device 'down-time' to maximise your investment.

Make the right decision

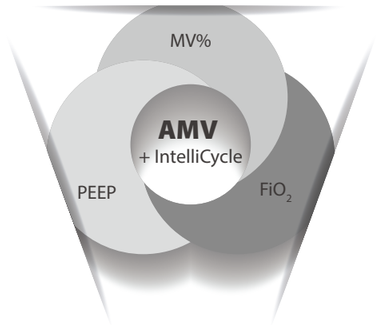
Ventilation modes and decision-supporting tools like Intelligent Assistant have been developed around clinical needs and professional guidelines to help assist caregivers in clinical decisions.

An extensive range of ventilation modes

Smart ventilation solution: AMV ™ + IntelliCycle ™

Ventilation mode selection and parameter adjustment may be a challenge for many clinicians. Mindray's Adaptive Minute Ventilation (AMV) has been developed using the internationally recognised Otis's Minimum Breathing Work principle. With this feature Mindray SV800/SV600 ventilators are able to intelligently select the optimal tidal volume and respiratory rate along with the optimal I:E ratio after setting the desired target minute volume and switches easily between mandatory breath and spontaneous breath.

- IntelliCycle employs intelligent waveform tracking technology to automatically adjust the spontaneous breath's cycling point to improve ventilator/patient interaction. This reduces the risk of patients breathing asynchronously against the ventilator.
- The combination of AMV and IntelliCycle enables the ventilator to make automatic adjustment to ventilator settings, reducing the need for clinicians to make repeated, low level, adjustments so they can direct their focus more effectively on other aspects of patient care.



Emergency solution: CPRV ™

The innovative CPR emergency ventilation mode, based on traditional controlled mandatory ventilation, automatically shields the triggers and automatically adjusts alarm limits. It also integrates CO_2 monitoring. A quick start button ensures no time is lost in commencing this key emergency feature.

Sequential treatment regimen: Non-invasive ventilation & high flow oxygen therapy

The frequency of tracheal intubation and its associated complications may be significantly reduced when a non-invasive ventilation therapy regimen is employed during the pre and post weaning phase. This technique is becoming more common within the ICU environment. To ensure the desired therapeutic effects are realised Mindray SV800/SV600 ventilators employ a leakage compensation capability of 65 L/min.
High flow O_2 therapies are supported with controlled warming and humidification and are capable of a maximum flow rate of 60 L/min. This safe and effective technique is associated with a high degree of patient comfort and is rapidly becoming the brand-new, non-invasive technique of choice for many clinicians.

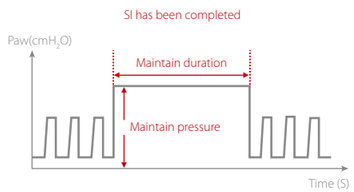
Powerful tools

Dual channel auxiliary pressure monitoring

The auxiliary pressure port can be connected to an esophageal balloon catheter and display esophageal and transpulmonary pressures. These parameters can help clinicians make clear the respiratory mechanics in difficult conditions, thus guiding the treatment for critically ill patients.
Dual channel auxiliary pressure monitoring can also be used to evaluate diaphragmatic pressure calculation etc.

Lung protection kit

The extensive lung protection kit includes Vt/IBW, C20/C , low flow PV tool and lung recruitment tool (sustain inflation), enables clinicians to use small tidal volume ventilation, titration of PEEP and perform lung recruitment, thus improving lung ventilation protection.



Flexiblity, connectivity and integration

With medical devices always advancing and becoming ever more integrated, securing your investment is reliant on being able to expand your devices capabilities in the future.
The new SV800 / SV600 ventilators allow just this. Utilising the latest electronic software and hardware your new device is ready to embrace new technological advancement with ease.

Integrated infant module (optional)

Through precision control technology with proximal flow sensor SV800/SV600 ventilators can accurately deliver minimum tidal volumes as low as 2ml to fully meet the invasive and non-invasive ventilation requirements of infants.

SpO_2 module

The plug & play module can be integrated into weaning tools, and also helps optimise the respiratory monitoring process.

CO_2 module

Mindray plug & play CO_2 modules, including mainstream and sidestream, are both compatible. They are optional for CPRV mode and can be integrated into weaning tools.

Backup air supply

In the event of central air supply failure the ventilator can be started quickly using the backup air supply.
The backup air supply utilises a high performance turbine, enabling the user to continue to use the ventilator safely and with full functionality.

Connectivity Solutions

Mindray's comprehensive connectivity solutions make digital patient data integration simple and accessible. By enabling accurate, automatic data transfer to your EMR helps hospitals improve staff productivity, enhance patient outcomes and reduce risk.