



Email: [ukcustomerservice@mindray.com](mailto:ukcustomerservice@mindray.com)  
Tel: 01480 416840

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

[www.mindray.com](http://www.mindray.com)

P/N:ENG-SV 300-420285x12P-20180111  
©2017 Shenzhen Mindray Bio-Medical Electronics Co.,Ltd. All rights reserved.

**mindray**  
healthcare within reach

**SV300**  
Ventilator



**mindray**

# SV300

Ventilator



Design based on simple facts

Comprehensive

- SV300 comes with extensive ventilation modes and is ideally for acute ICU use

Simple

- Intuitive user interface that optimises clinical workflow

Adaptive

- Adaptable to many clinical environments





A comprehensive ventilator for demanding ICU environments

Don't be fooled by the compact size of the SV300 ventilator, as it comes with extensive ventilation modes and is equipped with functions that are usually only found on intensive care ventilators.



**ICU package options**

- APRV
- PRVC
- ATRC
- PVTool



**Extensive monitoring**

- 4 waveforms
- 2 loops
- 72 hrs patient trend data
- 5000 events log



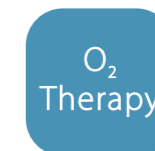
**Volumetric CO<sub>2</sub> measurement**

- Airway dead space
- CO<sub>2</sub> elimination



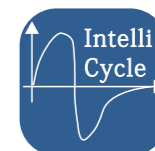
**Weaning indicators**

- P0.1
- NIF
- RSBI



**O<sub>2</sub> Therapy**

- O<sub>2</sub> enrichment
- Adjustable flow



**Intelli Cycle**

- Automatic switch over
- Enhance patient synchrony



SV 300 comes with adjustable screen that allows tilt for best viewing angle

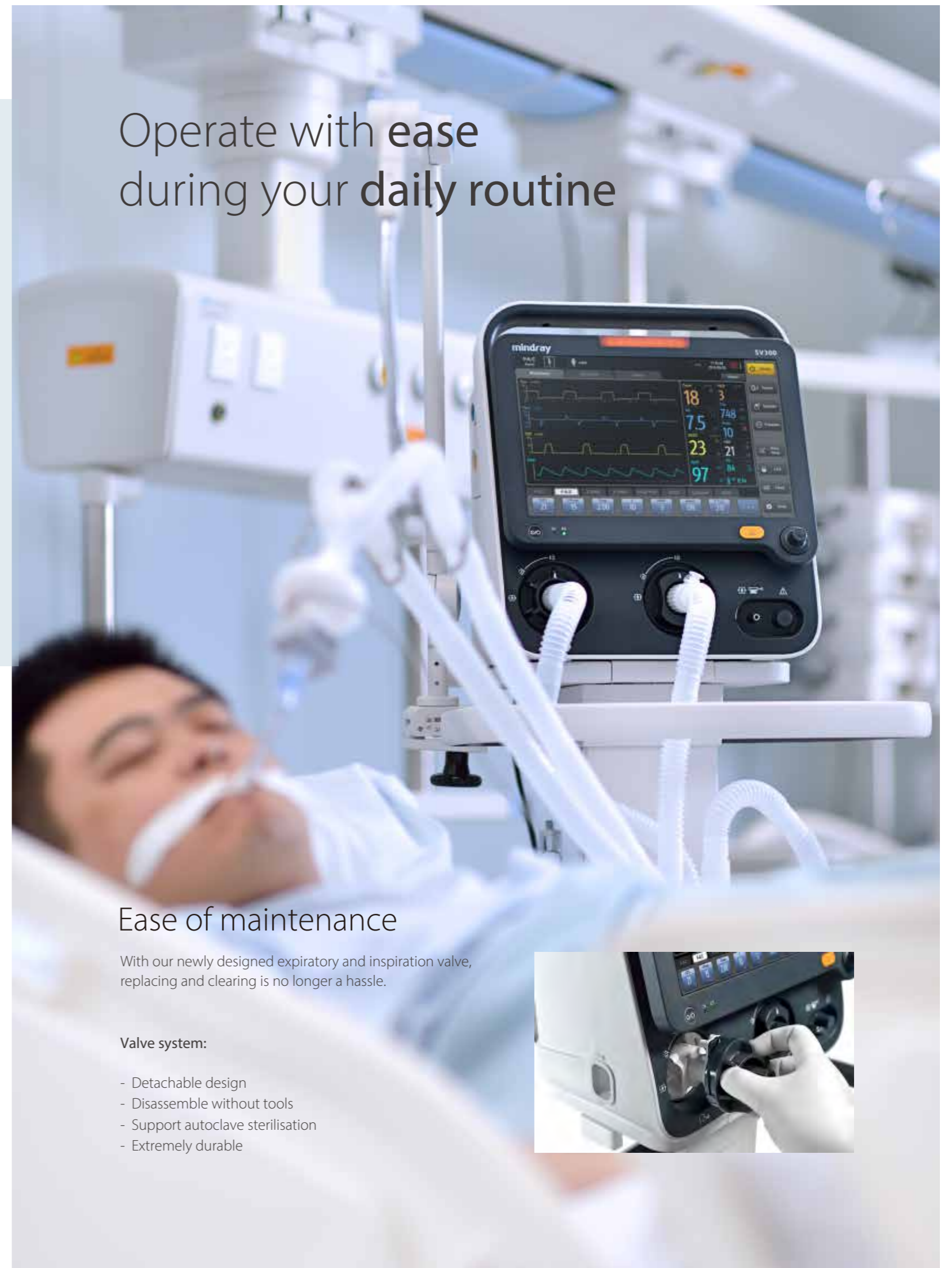


-Setting range indicator  
-Setting summary



-Alarm range indicator  
-Active alarm with color coded  
-Auto alarm limits

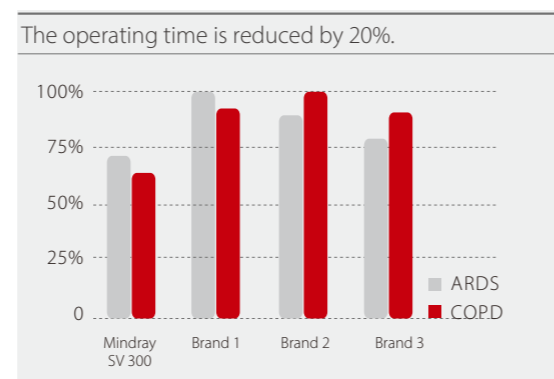
Operate with ease during your daily routine



## Ease of use

Providing mechanical ventilation requires a lot of attention. In view of this, we conducted an in-house study to calculate the number of steps that are needed to be performed by caregivers during the entire course of ventilation. The data suggests that SV300 ventilators require the least amount of operation. (20% lower than other European brand ventilators: for both ARDS and COPD patients)

Thanks to the intuitive UI design of SV300, changing of ventilation modes requires only 2 simple steps. Each function is in logical order so that you're not lost in complex user menus.



## Ease of maintenance

With our newly designed expiratory and inspiration valve, replacing and clearing is no longer a hassle.

### Valve system:

- Detachable design
- Disassemble without tools
- Support autoclave sterilisation
- Extremely durable

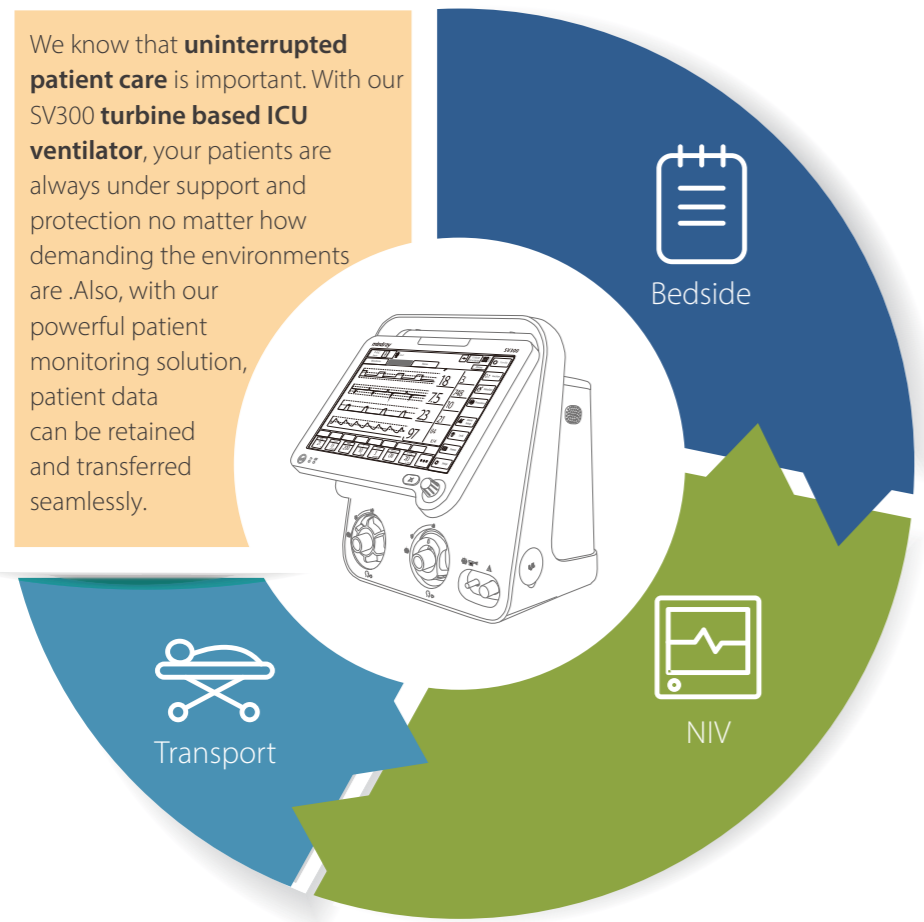





Versatile functions  
you will find  
in **one** device



SV 300  
Ventilator


**Invasive therapy-Bedside intubated**

- Extensive ventilation modes
- Mainstream CO<sub>2</sub>
- ATRC
- Weaning indicators



**Non-invasive therapy-NIV and O<sub>2</sub> therapy**

- Exceptional leak compensation capability
- Quiet turbine
- Intellicycle for better synchrony breath
- Integrated SpO<sub>2</sub> monitoring



**On the move intra-hospital transport**

- Easy detachable trolley
- Only 9.8kg
- Up to 6 hrs internal battery support
- SpO<sub>2</sub> monitoring
- Side stream CO<sub>2</sub>

20,000

working hours turbine

Powerful built-in turbine provides up to 210 L/min of flow that can fulfill most of the critical patient needs. It does not require any annual maintenance due to its exceptional reliability.



## Thoughtful functions built-on latest hardware platform

### Future proof

Mindray is committed to protecting your investment by relentlessly developing features that can improve patient care and reduce patient cost. With 25 years experience developing anesthesia and ventilator products, we proudly present you the SV300 ventilator. SV300 is built on a highly sophisticated platform, based on state of the art industrial hardware. Your investment is further assured, as we always leave space for future upgrades and comply with the latest stringent medical requirements.

*\*Accordingly to the latest CE guideline, both the inspiration and expiration valves should be detachable and able to sustain high temperature sterilization in order to minimize the risk of cross contamination*

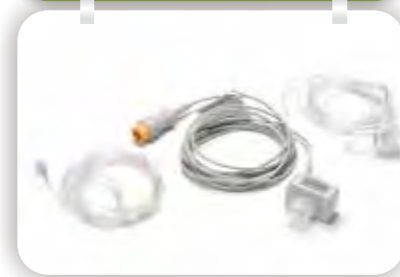
2 detachable valves

Its design is according to the latest international standard \*ISO 80601-2-12 & ISO 80601-2-55. We are one of the few manufacturers out there in the market that supports autoclavable inspiration valve. This further reduce the risk of cross contamination.



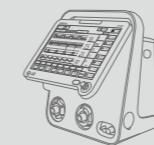
2 types of EtCO<sub>2</sub> options

SV 300 supports both mainstream & sidestream options of EtCO<sub>2</sub> measurement. It is a Flexible solution that fits for your department needs.



2 additional functions regarding to patient oxygenation

SV 300 provides SpO<sub>2</sub> measurement and O<sub>2</sub> therapy, excellent tools for your patient weaning strategy. Also, it allows SpO<sub>2</sub> measurement even when patient monitor is not around.



## SV 300 Ventilator

SV 300 is a state-of-the-art ventilator that's simple to configure, easy to operate and versatile in use. It is equipped with extensive ventilation modes that can be applied to paediatric and adult patients with all acuity levels in ICUs and intermediate care. With the built-in high performance turbine, SV300 provides excellent spontaneous breathing capabilities for invasive and non-invasive application and makes it independent from the central gas supply.

