

## Globally experienced, locally accessible

Mindray is one of the leading global providers of medical devices and solutions. Firmly committed to our mission of “sharing medical technologies with the world”, we are dedicated to innovation in the fields of Patient Monitoring & Life Support, In-Vitro Diagnostics, and Medical Imaging. The 1 Solution capitalizes on Mindray's broad product portfolio and offers hospitals a holistic and systemic solution to improve the overall efficiency and quality of care particularly in three key clinical areas: emergency care, peri-operative care, and critical care.

Headquartered in Shenzhen, China, and listed on the New York Stock Exchange, Mindray possesses a sound distribution and service network with subsidiaries in 18 countries in North and Latin America, Europe, Africa and Asia-Pacific. While improving the quality of care, we help in reducing its cost, making it more accessible to a larger part of humanity.

Since its foundation in 1991, Mindray's development has been driven by innovation. Mindray has built up a global R&D network with research centers in Seattle, New Jersey, Miami, Stockholm, Shenzhen, Beijing, Nanjing, Chengdu, Xi'an and Shanghai.

Today, Mindray's products and services can be found in healthcare facilities in over 190 countries and regions. Inspired by the needs of our customers, we adopt advanced technologies and transform them into accessible innovation, bringing healthcare within reach.



## SV 300 Ventilator

Compact yet powerful



Mindray Building, Keji 12th Road South,  
High-tech Industrial Park, Nanshan, Shenzhen 518057, P.R. China  
Tel: +86 755 8188 8998 Fax: +86 755 26582680  
E-mail: intl-market@mindray.com www.mindray.com

Mindray is listed on the NYSE under the symbol "MR"

**mindray** is a trademark of Shenzhen Mindray Bio-Medical Electronics Co., Ltd.  
©2013 Shenzhen Mindray Bio-Medical Electronics Co., Ltd. All rights reserved. Specifications subject to changes without prior notice.  
P/N:ENG-SV 300-420285x12-20140926



**mindray**

**mindray**  
healthcare within reach



# SV 300 Ventilator



## Design base on simple facts

Critical care is intense, we know your ultimate goal is to enhance clinical workflow.. So, as we dedicate ourselves to design machine that fulfill the following criteria's.

### Comprehensive

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

### Simple

-Intuitive user interface that enhances clinical workflow

### Adaptive

- Functions meet the actual needs, adopt to different clinical environments



We listen to **your Opinions**  
and we help to make your  
**daily work easier**





A comprehensive ventilator that fits for stringent ICU environment

Don't fool by the compact size of the SV300 ventilator, as it comes with extensive ventilation modes and equip with functions that usually find on intensive care ventilator. We also integrate unique features that you even won't find among top end competitors



**ICU package options**

- APRV
- PRVC
- ATRC
- PV Tool



**Extensive monitoring**

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



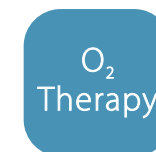
**Volumetric CO<sub>2</sub> measurement**

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



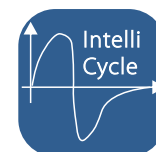
**Weaning indicators**

- 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



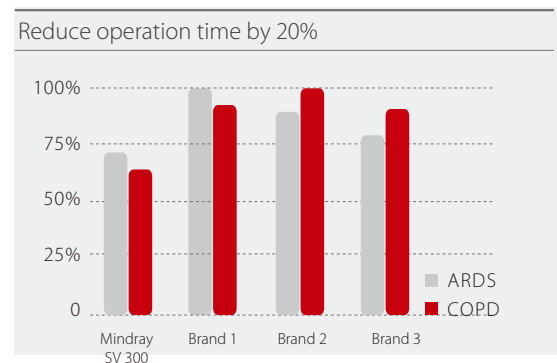
-Alarm range indicator  
-Active alarm with color coded  
-Auto alarm limits

Operate with ease during your daily routine



## Ease of use

Providing mechanical ventilation requires a lot of attention and operation. In view of this, we conducted an in-house study to calculate the number of steps that need 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, change of ventilation modes requires only 2 simple steps. Each function is in logical order so that you wouldn't be lost in complex user manual.



## Ease of maintenance

With our newly designed expiratory and inspiration valve, replace and clearing is no more a hassle. Also, it is extremely durable and it can last longer than most of the competitors offer right now out there in the market.

### Valve system:

- Detachable design
- Require no tools during disassemble
- Support autoclave sterilization
- Extremely durable

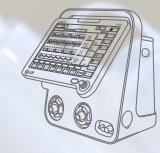


**SV 300**  
Ventilator



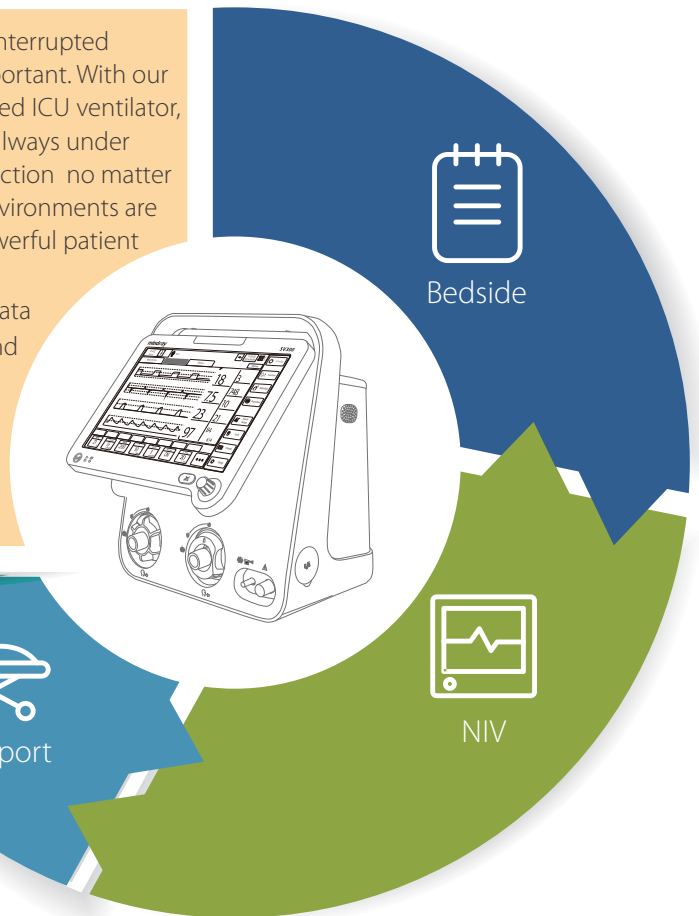


Versatile functions  
you will find  
in **one** device



**SV 300**  
Ventilator

We know that uninterrupted patient care is important. With our SV300 turbine based ICU ventilator, your patients are always under support and protection no matter how hassle the environments are. Also, with our powerful patient monitoring solution, patient data can be retained and seamless transfer at ease.



Bedside



NIV



Transport



### 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
- Silence turbine
- Intellicycle for better synchrony breath
- Integrated SPO<sub>2</sub> monitoring



### On the run-Intra Hospital transport

- Easy detachable trolley
- Light weight ~9.8kg
- Up to 4 hrs internal battery support
- SPO<sub>2</sub> monitoring
- Side stream CO<sub>2</sub>

20,000

working hours turbine

Powerful built-in turbine provide up to 210 L/min that can fulfill most of the critical patient needs. Does not require any annual maintenance, exceptional reliable



# Thoughtful functions built-on latest hardware platform

## Future proof

Mindray is committed to protect your investment by continued developing features that can improve patient care and patient outcomes. With 25 years experience on development of anesthesia and ventilator products, we proudly present you our new member, SV300 ventilator. SV300 is built on a highly sophisticate platform, base on state of the art industrial hardware. Your investment is further assure, as we always open room for future upgrade and comply to 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. As to minimize the risk of cross contamination*

2 detachable valves

Design according to the latest international standard \*ISO 80601-2-12 & ISO 80601-2-55, we are the few manufacturer out there in the market that support autoclavable inspiration valve. Further reduce the risk of cross contamination



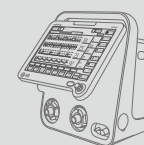
2 types of EtCO<sub>2</sub> options

we support both mainstream & sidestream option of EtCO<sub>2</sub> measurement. Flexible solution that fit for your department needs



2 additional functions regarding to patient oxygenation

we provide SPO<sub>2</sub> measurement and O<sub>2</sub> Therapy, excellent tools for your patient weaning strategy. Also, it allow 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 equips with extensive ventilation modes that can treats pediatric and adult patients with all acuity levels at 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.

