



# ESV-SPIRIT 3100B

## ICU Ventilator



INTENSIVE CARES



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## ICU ventilator



- 12.1 inch touch screen with desirable color schemes
- Support adult and pediatric ventilation mode
- Multi-mode ventilation function (VCV, SIMV, PSV, PCV, APNEA, PAP, Manual, SIGH)
- The simplest interface boots a precise control and convenient operation
- Air compressor support
- Self testing and calibration
- Auto-wash for exhaust valve

## TECHNICAL FEATURES

Physical specifications	
<b>Dimensions</b>	45x55x140cm
<b>Weight</b>	65kg
<b>Casters</b>	Front wheels with lock
<b>Screen</b>	12.1 inch touch screen
<b>Display</b>	Colour LCD
<b>Display graphics Loops</b>	Waveforms of P-T, F-T, V-T, P-V, F-V, F-P
Air compressor specifications	
<b>Power</b>	AC 220V±10%,50Hz±2%
<b>Output pressure</b>	0.4±0.1MPa
<b>Noise</b>	<=50dB
Modes of ventilation	
<b>VCV</b>	Volume control ventilation
<b>SIGH</b>	SIGH
<b>APNEA(AC)</b>	Assist Control
<b>SIMV</b>	Synchronized Intermittent Mandatory Ventilation
<b>MANUAL</b>	Manual
<b>CPAP</b>	Continuous Positive Airway Pressure
<b>PSV</b>	Pressure Support Ventilation
<b>PCV</b>	Pressure Control Ventilation
Ventilator parameter	
<b>Tidal Volume range</b>	20-2000ml
<b>Pressure control range</b>	5-80cmH <sub>2</sub> O
<b>Pressure support range</b>	5-80cmH <sub>2</sub> O
<b>Respiration Rate Range</b>	1-100 bpm(1-40 bpm under SIMV)
<b>Inspiration time</b>	0.2-12s
<b>Oxygen concentration</b>	21%-100%
<b>Ptrigger Range</b>	-20-0cmH <sub>2</sub> O
<b>Apnea Ti Range</b>	0-6s

<b>PEEP</b>	
<b>Type</b>	Integrated, Electronic control
<b>Range</b>	0~40cmH <sub>2</sub> O
Monitoring parameters	
<b>Parameters</b>	VTi , VT <sub>e</sub> , MV, I:E, Freq, Ppeak, PEEP, Ri, Cs, FiO <sub>2</sub>
Alarm Limits	
<b>Visual and Audio</b>	No tidal volume, MV, Paw, FiO <sub>2</sub> , limitation O <sub>2</sub> , Air failure, AC power failure ,backup low
Pipeline supply	
<b>Gas configuration</b>	O <sub>2</sub> , Air
<b>Pipeline input range</b>	280-600kPa
Battery Power	
<b>Battery Type</b>	Lead-acid 12V, 4Ah
<b>Run-time</b>	Typical 120 mins+
Pre-setting functions	
<b>Language</b>	ENGLISH
<b>Calibration</b>	AUTOMATIC
Applications	
<b>Patient therapy type</b>	Audit/Pediatric invasive
Optional	
<b>Option1</b>	Air compressor
<b>Option2</b>	SIMV/PSV ventilation
<b>Option3</b>	BIPAP ventilation mode
Environmental Conditions	
<b>Operating Temp</b>	5°C ~ 40°C
<b>Storage Temp</b>	-10°C ~ +40°C
<b>Humidity</b>	<= 80%
<b>Atmosphere pressure</b>	960 hPa ~ 1040 hPa

Note: specification subject to change without prior notice



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