



ESV-SPIRIT 5000

ICU Ventilator



INTENSIVE CARES



ESV-SPIRIT 5000

ICU ventilator



- 12.1 inch touch screen with desirable col or schemes
- The simplest interface boots a precise control and convenient operation
- High performance turbine with precise control technology provides accurate flow output.
- Applied for adult, pediatric and infant
- Multi-mode ventilation function (VCV, SIMV, SIMV/PSV, PSV, PCV, APNEA, CPAP, BIPAP, Manual, SIGH)
- Applied with Invasive ventilation and Non-invasive ventilation
- Self testing and calibration function
- Comprehensive monitoring and alarm functions with flashing alarm indicator (Priority alarm, secondary alarm).
- Assistent Nebulization treatment, High flow oxygen Therapy. Auxiliary suction function as optional.

TECHNICAL FEATURES

Physical specifications

Dimensions	45x55x14cm
Weight	10.5kg
Casters	Front wheels with lock
Screen	12.1 inch touch screen
Display	Colour LCD
Display graphics Loops	Waveforms of P-T, F-T, V-T, P-V, F-V, F-P

Pipeline Supply

Gas configuration	O ₂
Pipeline input range	280-600KPa

Battery Power

Run-time	Typical 180 mins+
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Ventilation Modes

VCV	Volume control ventilation
APNEA	APNEA
SIMV	Synchronized Intermittent Mandatory Ventilation
SIMV/PSV	SIMV/Pressure support
MANUAL	Manual
CPAP	Continuous Positive Airway Pressure
PSV	Pressure Support Ventilation
PCV	Pressure Control Ventilation
NIV	Non-invasive ventilation
BIPAP	BIPAP
SIGH	SIGH
APRV	Optional

Ventilation Parameters

Tidal Volume range	20-2000ml
Pressure range	5-80cm H ₂ O
Respiration Rate Range	1-100bpm (1-40bpm under SIMV)
I:E Range	4:1-1:8
Oxygen concentration	21%-100%
Ptrigger Range	-20-0cmH ₂ O
Apnea Ti Range	0-6s

PEEP

Type	Integrated, Electronic control
Range	0-40cmH ₂ O

Alarm Limits

Visual	No tidal volume, MV, Paw, FiO ₂ , limitation O ₂ , Air failure, AC power failure, backup low
Audio	No tidal volume, MV, Paw, FiO ₂ limitation

Pre-setting functions

Language	ENGLISH
Calibration	AUTOMATIC

Optional

• O ₂ remedy	• USB port
• RS-232 port	• Trolley
• HDMI port	• Auxiliary suction function
• Ethernet port	

Environmental Conditions

Operating Temp	5°C ~ 40°C
Storage Temp	-10°C ~ +40°C
Humidity	<= 80%
Atmosphere pressure	960 hPa ~ 1040 hPa

Note: specification subject to change without prior notice



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