



ESV-3000

Automatic ventilator



- 10.1 inch colored LCD with big font for easy review.
- Optional touch screen setting (optional).
- Tidal Volume: 20-2000 mL(VCV) (only for **ESV-3000D**).
- Various ventilation modes - VCV, PCV, SIMV+VCV, SIMV+PCV, PSV, SPONT, PRVC (optional), BIPAP(optional) and NPPV(optional).
- Applicable to pediatric (>5kg) and adult.
- Waveform forzening(optional).
- Nebulizer (optional).
- Three waveforms and optional three loops, 14 monitoring parameters.
- Navigation wheel for convenient and simple operations.
- Microprocessor controlled.
- Key components, especially flow sensor, pressure sensor, pressure-regulating valve and proportional valve are imported from world leading manufactures to ensure high accuracy and stable performance.
- Expiration valves can be disassembled for cleaning and sterilization in order to preclude cross infection.
- Close-loop control system provides airway compliance and leakage compensation, so as to realize accurate ventilation control.
- Three-priority alarm for different risks with different visual and audio signs.

TECHNICAL SPECIFICATIONS

Cod.	ESV-3000C (model without tidal volume) ESV-3000D (model with tidal volume)
Patients	Neonate (>5kg) , pediatric and adult
Ventilation mode	VCV, PCV, SIMV+VCV+PSV, SIMV+PCV+PSV, SPONT, Standby. <u>Optional:</u> BIPAP / PRVC / NPPV(NIV)
Setting parameters	
V_T (only for ESV-3000D)	20 ~ 2000 ml
f	1 ~ 100 bpm
T_i	0.1 ~ 10 s
Pressure trigger	-20 ~ 0 cmH ₂ O
Flow trigger	0.5 ~ 20 L/min
Pressure control	5 ~ 70 cmH ₂ O
Pressure support	0 ~ 70 cmH ₂ O
High pressure	5 ~ 70 cmH ₂ O
Low pressure	0 ~ 50 cmH ₂ O
FiO ₂	21% ~ 100%
E-PEEP	0 ~ 50 cmH ₂ O
Monitoring parameters	V_{Ti} , V_{TE} , MV, MV_{spon} , f, f_{spon} , I:E, P_{peak} , P_{mean} , P_{plat} , P_{min} , FiO ₂ , C, R
Waveform	P-T, F-T, V-T
Loop	V-P, F-V, F-P (Optional)
Alarm setting	Low tidal volume, high/low limit of minute ventilation , high/low limit of frequency, high/low limit of FiO ₂ , high/low limit of airway pressure, high continuous airway pressure, apnea, O ₂ failure, air supply failure, mains failure, battery low capacity, and battery exhausted.
Alarm mute	< 100s

Physical Features	
Screen	10.1 inch LCD Non-touch screen (standard) 10.1 inch LCD touch screen (optional)
Communication connector	VGA, RS232 , RJ45 debugging interface
Dimension	710x915x665 mm (H x W x D)
Net weight	45 Kg
Power	100 to 240 VAC 50/60Hz, 1A(Max.)
Lithium Battery	60 minutes



Standard accessories: <ul style="list-style-type: none"> - Mobile trolley - Heater Humidifier - Articulated arm for patient circuit - Accessories basket - AIR and OXYGEN feeding hoses - 4 mt power cable - Autoclavable patient circuit - All accessories for installation and commissioning 		Optional: <ul style="list-style-type: none"> - Function BIPAP - Function PRVC - NPPV Function (NIV) - "Touch screen" function - Internal nebulizer - Medical air compressor - SpO₂ Module - CO₂ RESPIRONICS Module - Nebulizer - Suction unit
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