

ESV-5230 5 i ka UłjWj Ybłj`Ukcf





ESV-5230

Automatic ventilator





Ventilation Mode
Typical ventilation mode with BIVENT
and PRVC, fully meet the demands of
critical care mechanical ventilation



Monitoring
Waveforms and loops display with
powerful monitoring function gathers
comprehensive patient information



Clinical Support
Complete manual interventions
include inspiratory and expiratory hold,
manual ventilation, synchronized
nebulizer and smart suction



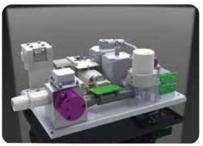
Information Gathering Function ESV-5230 can be updated through Internet or USB ports Efficient transport of patient information meets the need of digital hospital



15" TFT Touch Screen
With Navigation Wheel
With a 15" TFT touch screen and a
simple intuitive interface, the user can
easily complete the entire operation



Guide-way Operation
Guide-way operation function boots the
operation efficiency and patient safety



Advanced Pneumatic System The technologic pneumatic System ensures the accuracy of oxygen and gas delivery



Exhalation Valve
Metal made autoclavable exhalation
Valve with built-in flow sensor fulfills
the needs of low maintenance cost





Invasive Ventilation

- Provide proper mechanical ventilation support with lung protective ventilation strategies
- ATC reduces the resistance caused by either endotracheal tube or tracheostomy tube, lowers patient work of breathing



 Bivent mode provides two levels of continuous positive airway pressure(CPAP) with pressure support breaths, suitable for more types of patient



Non-invasive Ventilation

- \bullet Proper use of NIV decrease the need for intubation reduces the patient weaning time
- ESV-5230 includes NIV ventilation as a standard feature. Users have the flexibility to use ESV-5230 for both invasive and non-invasive therapy to reduce equipment costs



Monitoring

- 3 waveforms and 3 loops
- Alarm/Event records description of each alarm and provides information of any changes of settings.
 Trend function provides 72h of full patient data.
 Convenient for information search and shift management



Lung Mechanics

 Measures static compliance, air resistance, PEEPi, P0.1 and time constant to help the doctor evaluate treatment outcome



Thoughtful Configure Solution

- Depending on ICU environment, ESV-5230 can be equipped with air compressor on mobile cart and ceiling pendant
- The design of integrated power supply solution with circuit breaker provides more protection of the ventilator, air compressor and humidifier





Technical Features

Ventilation Settings

Ventilation Modes

VCV (A/C)

- PCV (A/C)
- BIVENT/APRV + PSV
- SPONT/CPAP + PSV • Non-invasive ventilation: NIV/CPAP+PSV, NIV/PCV

PRVC (A/C)

• SIMV (VCV/PCV/PRVC) + PSV

Parameters

 Tidal Volume (VT) 	10-2500 ml
 Respiratory Rate 	1-120/min
 Inspiration Time 	0.2-9 s
 Inspiratory Pause Time 	0-4 s
• Tslope	0-2 s
Thigh	0.2-30 s
• Tlow	0.2-30 s
• FiO ₂	21%-100%
• PEEP	0-50 cmH ₂ C

0-90cmH₂O Psupport • Pcontrol 5-90cmH₂O 5%-80% • Esens Inspiratory hold Yes Expiratory hold Yes Manual inspiration Yes • Waveform freeze Yes

 Nebulizer 30 or 45 min Suction Maximum 3 min

Monitoring

 Pressure values 	Pmin, Pplat, Pmean, Ppeak, PEEP
 Volume / flow values 	VTi, VTe, MV, MVspont, Leak%
Time values	ftotal, fspont, I:E, Tc, Tispont
 Oxygen monitoring 	O ₂ sensor

dynamic and static compliance, resistance, PEEPi, P0.1, RSBI, WOB Weaning parameters

MV: High/low; Vti: High; Airway pressure: High/low; Continuous airway pressure: High; PEEP: High/low; fspont: High; FiO₂: High/low; EtCO₂: High/low; Tapnea

Physical Specifications

Screen	15" TFT color touch screen (detachable)
 Dimension 	575X370X470 mm
 Weight 	30kg
 Gas supply 	O2, Air, 200kPa-650kPa (29-94 PSI)
 Power supply 	100 - 240V, 50 - 60 Hz
 Back-up battery 	Built-in battery, optional 2nd internal battery
 Communication interfaces 	USB*2, RJ45*1, RS232*1, real-time VGA output
Temperature	10 - 40°C (Operation)
	-20-60°C (Storage)



ESSE3 srl, Via Garibaldi 30 14022 Castelnuovo D.B. (AT) Tel +39 011 99 27 706 Fax +39 011 99 27 506 e-mail esse3@chierinet.it web: www.esse3-medical.com

