

Specifications: EV3



SHENZHEN COMEN MEDICAL INSTRUMENTS CO.,LTD

Floor 10, Floor 11 and Section C of Floor 12 of Building 1A & Floor 1 to
Floor 5 of Building 2, FIYTA Timepiece Building, Nanhuan Avenue,
Matian Sub-district, Guangming District, Shenzhen, Guangdong,
518106,P.R. China

Tel: +86-755-26408879

Fax: +86-755-26431232

Email: info@szcomen.com

Web: www.comen.com

Transport Ventilator

EV3



Physical Characteristics

Main Unit

Dimensions	237mm*120mm*97mm (±5mm)
Weight	1.4kg (±0.5kg)

Backpack

Dimensions	555mm*330mm*220mm (±10mm)
------------	---------------------------

Hanging board

Dimension	370mm*300mm*44mm (±10mm)
Noise	≤60dB
Ingress protection	IP34

Battery

Type	Rechargeable or disposable lithium battery
Rated battery voltage	Disposable battery (standard): 3.6V, 6500mAh Disposable battery (optional): 3.65, 7000mAh Rechargeable battery (optional): 3.7, 32000mAh
Minimum power supply time	Disposable battery (standard): ≥130h Disposable battery (optional): ≥130h Rechargeable battery (optional): ≥60h

Screen

Size	3.5" TFT display
Resolution	320*240

Gas Circuit System

High Pressure O2 Source

Pressure range	270~600kPa
Rated flow rate requirement	70L/min
Input connector	DISS

Inspiratory Module

Safety pressure of respiration	≤90mbar
--------------------------------	---------

Inspiratory-side external connector	Coaxial 22mm/15mm conical connector
-------------------------------------	-------------------------------------

Breathing Valve Module

External connector of the breathing valve	Coaxial 22mm/15mm conical connector
Removability and sterilizability	Yes

Gas Circuit

Compliance	Reusable gas circuit for adult: ≤2mL/mbar Reusable gas circuit for child: ≤1.5mL/mbar
Resistance	gas circuit for adult: ≤6mbar at the flow rate of 60L/min gas circuit for child: ≤6mbar at the flow rate of 30L/min
System safety pressure	Non-ventilation status or power failure or air supply failure (<0.12 MPa): no more than 14mbar

Ventilation Mode

Mode	Manual IPPV Assist CPR mode
------	--------------------------------------

Parameter Specifications

Setting parameter

O ₂ %	Air Mix: 55%-85% No Air Mix: 100%
MV	3~20L/min (±20%)
Pmax	20~60mbar
RR	10~30bpm (±1bpm or ±10% of the set value, whichever is the greater)
I:E	1:1.67 (±10%)
Inspiratory trigger	-2mbar (±1mbar)

Monitoring Parameter

Paw	-20~85mbar
PEEP	-20~85cmH ₂ O
RR	0~40bpm
Alarm Parameter	
Airway pressure	Upper limit: 20~60mbar

Power Specification

External AC Power Supply (adapter)

Input voltage	100-240V~
Input frequency	50/60Hz
Input current	0.5~1.2A
Output voltage	15VDC
Output current	2.0A

Built-in Power Supply

Battery type	Lithium-ion battery
Rated battery voltage	10.8VDC
Battery capacity	3300mAh
Input power	15V, 2.0A
Battery endurance	≥11h

Working Environment

Temperature	-18~50°C
Humidity	5%~95%R.H
Air pressure	62~110kPa
Altitude above MSL	3438 m

***Notice: Specifications subject to changes without prior notice. All rights reserved by Comen**