

Specifications: EV2



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Transport Ventilator

EV2



Physical Characteristics

Main Unit

Dimensions	101mm*145mm*92mm (±5mm)
Weight	0.7kg (±0.1kg)

Backpack

Dimensions	555mm*330mm*220mm (±10mm)
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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

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	≤75mbar
Peak flow	≥45 L/min
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 Demandflow CPR mode
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Parameter Specifications

Setting parameter

O ₂ %	100%
Minute ventilation	3~16L/min (±20%)
Tidal volume (TV)	Pediatric (≥10kg): 65~150 ml Juvenile (≥30kg): 150~300ml Adult (≥60kg): 300~950ml
Respiratory rate (RR)	10~30bpm (±1bpm or ±10% of the set value, whichever is the greater)
I:E	1:1.67 (±10%)
Inspiratory trigger	-2mbar (±1mbar)
Max flow	>40L/min

Monitoring Parameter

Paw	0~60mbar (-1~4.99mbar)
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PEEP 5~20 cmH₂O

Alarm Parameter

Airway pressure Upper limit: 20~45mbar

Power Specification

Battery type Rechargeable or disposable lithium battery

Rated battery voltage Disposable battery (standard): 3.6V 6500mAh
 Disposable battery (optional): 3.65V 7000mAh
 Rechargeable battery (optional): 3.7V

3200mAh

Minimum power supply time

Standard disposable battery: ≥130h
 Optional disposable battery: ≥130h
 Optional rechargeable battery: ≥60h

Working Environment

Temperature -18~50°C

Humidity 5%~95%R.H

Air pressure 62~110kPa

Altitude above MSL 3438 m

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