

# Intensive Care Ventilator Zisline MV300 Version K2



Intensive Care Ventilator Zisline, version MV300 is modern turbine-driven ventilator that developed to provide efficient respiratory support for all the patients, from adults to child and neonates.

**Benefits:**

- Mainstream CO<sub>2</sub>
- Metabolic evaluation (indirect calorimetry)
- Volumetric capnometry
- Calculation of cardiac output
- Auxiliary pressure measurement port
- Adaptive ventilation iSV mode

**Patient types:**

- adult
- pediatric
- infant

**Basic universal ventilation:**

**Intended use:** ICUs, ORs, intra hospital transportation

**Display:** 15" color touchscreen

**Air supply:** built-in turbine

**Oxygen supply:** hospital pipeline, cylinder or O<sub>2</sub> concentrator (option)

**Power supply:** 100–250 V, 50/60 Hz, built-in battery for 4 to 6 hours.

## Default ventilation modes

Mandatory ventilation	controlled mandatory lung ventilation with volume control	CMV VCV
	controlled mandatory ventilation with pressure control	CMV PCV
	ventilation with inspiration pressure control and guaranteed delivery of target tidal volume	PCV VG
Synchronized intermittent mandatory ventilation	synchronized intermittent mandatory ventilation mode with volume control with pressure support	SIMV VC
	synchronized intermittent mandatory ventilation mode with pressure control with pressure support	SIMV PC
	synchronized intermittent mandatory ventilation mode with pressure control and delivery of target tidal volume with pressure support	SIMV DC
Spontaneous breathing	ventilation mode supporting spontaneous breathing with the continuous positive airway pressure with the pressure support	CPAP+PS
	the spontaneous ventilation mode with the continuous positive airway pressure with the pressure support set by the device and delivery of a target respiratory volume	CPAP+VS
	airway pressure release ventilation mode	APRV
	spontaneous ventilation mode at two levels of continuous positive airway pressure with pressure support of spontaneous breaths	BiSTEP
	non-invasive ventilation	NIV
	high flow oxygen therapy mode	HF_O <sub>2</sub>
Back-up mode	automatic backup ventilation mode in case of apnea	Apnea
Adaptive ventilation	adaptive ventilation (intellectual support ventilation mode)	iSV

## Ventilation parameters

Tidal volume	10–3000 ml
Respiratory rate	1–120 bpm
Inspiratory time	0.2–15 s
Flow trigger sensitivity	0.5–20 lpm
Pressure trigger sensitivity	0.5–20 cm H <sub>2</sub> O
PEEP	0–50 cm H <sub>2</sub> O
Inspiratory pressure	0–100 cm H <sub>2</sub> O
Pressure support	0–80 cm H <sub>2</sub> O

## Start-up delivery set / Quantity, pcs.

Electronic unit	1
Power cable	1
High pressure oxygen hose	1
Arm for breathing circuit	1
Mobile trolley	1
Filter regulator	1

## General consumables and disposables

Nebulizer pneumatic	1
Breathing bag, 3 L	1
HME filter, adult, disposable	1
HME filter, pediatric, disposable	1
Filter bacterial, adult, disposable	1
Filter bacterial, pediatric, disposable	1
Patient circuit, disposable, adult	1
Patient circuit, disposable, pediatric	1
Patient circuit, disposable, neonatal	1

## Accessories for mainstream CO<sub>2</sub>

Mainstream CO <sub>2</sub> sensor	1
Airway adapter, reusable, adult / pediatric	1
Airway adapter, reusable, neonatal / pediatric	1

## Accessories for metabolic measurement

Sidestream airway adapter	2
Sidestream sampling line	2
Water trap	2

## Accessories for auxiliary pressure measurement

Disposable kit for Paux (esophageal catheter and filter)	1
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## Spare parts

Fuse 2 A	2
Ring	2
Filter element (microfilter)	1
Dust filter	2
Membrane (flow sensor)	1

## Documents

User Manual	1
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## Integrated features

Alveolar recruitment maneuver

Oxygenation

Suction

Leak compensation

Manual breath

Nebulizer

Mainstream CO<sub>2</sub>

Volumetric capnometry

Calculation of cardiac output

Metabolic evaluation (indirect calorimetry)

Auxiliary pressure measurement

## Additional options

SpO <sub>2</sub> option, including adult and pediatric reusable sensors	option
Ultrasound O <sub>2</sub> Sensor (maintenance free)	option
Depth of Anesthesia and Sedation Monitoring	option
Low pressure O <sub>2</sub> port	option
Gateway Hub (HL7 format)	option

## Contacts

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