



RESPIRATORY

Turbine-driven | V-1000T Plus

ICU & TRANSPORT
VENTILATOR

Multi-functional Turbine Ventilator

Multi-functional Turbine Ventilator | V-1000T Plus

Excellent Performance with Easy Operation

240 L/min peak flow rate

Powerful built-in turbine to meet most respiratory therapy needs.

360° visual alarm light

Visual design for any angle — no missing any alarm.

Easy to clean

Full touch screen, compact design, easy to clean.

1 s detachable breathing valve

Supports up to 134 °C autoclave to eliminate infection risk.

8.5 kg lightweight

Suitable for various transfer scenarios in the hospital.

Various Application Scenarios

- » Intensive Care Unit
- » In-hospital Transport
- » Recovery After Surgery



Flexible on the Fingertip

Communication Interface

Fully upgraded communication network interface: Wi-Fi, 3G/4G network, wired network.

Data Connection

Connects with infusion pumps, intensive-care systems, and patient monitors to form an integrated ICU solution.

Intelligent Care for Every Breathing

INTELLIGENT VENTILATION MANAGEMENT

Integrated “sequential ventilation therapy” — from invasive ventilation to non-invasive ventilation to HFNC.

INVASIVE VENTILATION:

VCV, PCV, PRVC, VSV, PSV, CPAP, DualPAP, SIMV (VCV + PS), SIMV (PCV + PS)

NON-INVASIVE VENTILATION:

PCV, PSV, CPAP, DualPAP, SIMV (PCV + PS), APRV

HFNC: HFNC 2.0



Flow Support®

Unique patient-ventilator synchrony technology providing synchronous respiratory flow to increase patient comfort.

Lung Protection & Weaning Tools

Supports PO.1, NIF, RSBI and other monitoring parameters for doctor evaluation.

VSV

Intelligent volume-support ventilation: automatically adjusts tidal-volume settings according to spontaneous breathing ability.

Comprehensive Respiratory Mechanics – PEEP Titration Tool

Lung compliance methods: P-V tool and Stress Index (SI).

Dynamic Lung View

Visualizes lung compliance, airway resistance and spontaneous breathing status.

HFNC 2.0

Provides patients with high-flow oxygen, maintains CPAP to form a breathing buffer pool that is more comfortable than traditional NPPV.

Technical Specifications

Basic Description

Patient type	Adult, Pediatric, Neonate
Screen size	12.1inches Standard, 15 inches Optional
Operating mode	Touched screen and knob
Working mode	Built-in Turbine; Electric drive, electric control
Ventilation mode	Invasive: VCV, PCV, PRVC, SIMV(VCV) +PS, SIMV(PCV) +PS, SIMV(PRVC) +PS, CPAP, PSV, DualPAP, VSV, APRV Non-invasive: PCV, PSV, CPAP, DualPAP, SIMV(PCV)+PS, APRV HFNC (single and dual tube)

Parameters for setting

TV	Adult:100 ~ 2000 mL; Pediatric:20 ~ 300 mL; Neonate 15~ 100mL
RR	Adult/Pediatric:1 ~ 100 bpm; Neonate;1 ~ 120 bpm
O2 Concentration	21 ~ 100 %
Inspiratory Time	0.20 ~ 10.00 s
Apnea	5 ~ 60 s
PEEP	0,1~ 50 cmH ₂ O
Flow trigger	Adult/Pediatric:0.5 ~ 20.0 L/min ; Neonate:0.5 ~ 5.0 L/min
Pressure trigger	~ 15.0 ~ - 0.5 cmH ₂ O
Inspiratory Flow Rate	Adult:6 ~ 120 L/min; Pediatric: 6 ~ 30 L/min; Neonate: 2 ~ 30 L/min
Expiration trigger	5 ~ 85 %
Inspiratory rise time, IRT	0.0, 0.1 ~ 2.0 s
Breath hold percentage	OFF, 5 ~ 60 %
Pressure support	0,1 ~ 90 cmH ₂ O
Pressure control	5 ~ 90 cmH ₂ O
High pressure	1 ~ 90 cmH ₂ O
Low pressure	0,1~ 50 cmH ₂ O
HFNC	Adult/Pediatric: 2.0 ~ 80.0 L/min ; Neonate: 2.0 ~ 20.0 L/min
Peak flow	240 L/min

Parameter for monitoring

Respiratory monitoring	Inspiratory tidal volume, expiratory tidal volume, minute ventilate volume,spontaneous minute ventilate volume, respiratory rate, spontaneous respiratory rate, breathing-tobreathe ratio, positive end-expiratory pressure, average airway pressure, ΔP , oxygen concentration, inspiratory resistance, expiratory resistance, dynamic compliance, static compliance, shallow rapid expiratory index, closing pressure, maximum inspiratory negative pressure , inspiratory pressure times time, peak inspiratory flow rate, end expiratory flow rate, time constant, stretch index, respiratory work, peak airway pressure, inspiratory plateau pressure, minimum airway pressure, peak expiratory flow rate, endogenous PEEP, minute leakage, leakage percentage, elasticity, inhaled oxygen concentration
Wave	Wave:P- t, F- t, V- t, EtCO ₂ - t (Opt), SPO ₂ - t (Opt) Loop:P-V, F-V, P-F, V-EtCO ₂ (Opt)
Trend	72 hours
Data storage	20000 items
Special features	Waveform reference, parameter trend chart, parameter bar chart, flow support, sputum aspiration function, PV tool, dynamic lung view, automatic intubation compensation, automatic compensation for air leakage, suction hold, expiratory hold, sighing, atomization, oxygenation Special parameters: NIF, PO.1, RSBI, time constant, respiratory work, PTP, PEEPi, stretch index (SI) Optional: Pulse oxygen saturation, pulse rate, EtCO ₂ , InCO ₂
Extensible modules (Optional)	SPO ₂ , ETCO ₂ , Paramagnetic oxygen
Gas supply	High pressure oxygen source, low pressure oxygen source
Machine noise	No more than 45 dB(A)
Total Weight	8.5kg (Without battery)
Power supply	AC:100 - 240 VAC:50/60 Hz, 2.4 - 1.0A / DC:12 - 24V,15 - 8A
Battery	Standard with 120 mins;Optional for 240 mins (dual batteries)
Net Port	RJ45, USB, Nurse call, HDMI, RS232
Warning lamp	360° Visible
IP Grade	IP22
Alarm setting	Minute ventilation, tidal volume, airway pressure, respiratory rate, leakage percentage, pulse oxygen saturation, end-exhaled carbon dioxide, inhaled carbon dioxide, asphyxia time, inhaled oxygen concentration (low pressure oxygen mode), oxygen source pressure
Built-in alarm	Inhaled oxygen concentration (hyperbaric oxygen mode), PEEP alarm
Communication module	WIFI, 4G



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