

Product Description

ICU VENTILATOR R50- 12",TFT DISPLAY, WITH TOUCH SCREEN

- Sufficient modes of Ventilation: VCV, PCV, SIMV-VC+PSV, SIMV-PC+PSV, SPONT/CPAP+PSV, BACKUP, Manual
- Optional:PRVC,SIMV-PRVC, NIV-PC,NIV-CPAP, DuoPhasic+PSV ,APRV+PSV

System Specifications

Pneumatic Ventilator

- 12",TFT display, with touch screen
- VCV, PCV, SIMV-VC, SIMV-PC, CPAP/PSV, BACKUP: 见上描述
- P-T, F-T, V-T, CO2-time, pulse rate-time,
- loop: P-V, F-V
- NI-MH battery, ≥90mins
- RS232, VGA, USB, Remote alarm

Operating Conditions

- Gas supply: Air, O2, 280kPa -600kPa (41~87 PSI)
- Power supply: 100-240V, 50/60Hz
- Temperature: 10-40°C (Operation), -20-60°C (Storage)
- Relative humidity: 5-95%, non-condensing (Operation)

5-95% (Storage)

- Atmospheric pressure (Operation & Storage): 500hPa-1060hPa
- Dimensions (H×W×D):

Ventilator: 455mm x 400mm x 300mm

Trolley: 565mm X 535mmX 910mm

- Weight:

Ventilator: 12.5 kg

Trolley: 20 kg

Standards

IEC 60601-1, IEC 60601-1-2, IEC 60601-1-8, ISO 80601-2-12

Alarm	Upper limit	Lower limit
Tidal volume	20~3000 mL	OFF,20~2999 mL
Minute volume	1~99 L	0~98 L
Oxygen concentration	22~100%, OFF	20~100%
Airway pressure	1~99 cmH2O	0~98 cmH2O
Respiratory frequency	1~120 bpm	OFF,1~99 bpm
ETCO2	0.1~13.3 kPa	0~13.2 kPa
Pulse rate	31~250 bpm	30~249 bpm
Circuit occlusion	(PEEP+15) cmH2O, 15s	(PEEP+15) cmH2O, 15s
Apnea alarm	10~60s	10~60s
O2 SUPPLY DOWN alarm	< 280 kPa	< 280 kPa
Mains failure alarm	Automatically switch	Automatically switch
Battery power low alarm	< 10 min	< 10 min
Battery discharged alarm	< 5 min	< 5 min
Alarm silence	≤120 s	≤120 s
Setting	Parameter	Monitoring
		Parameter

Tidal volume	20~2500mL	Inspiratory tidal volume	
Respiratory frequency	1~120 bpm	Expiratory tidal volume	0~4000 mL
Inspiratory time	0.1~12 s	Minute volume	0~4000 mL
Breath-hold time	0~50%	Spontaneous minute volume	0~99 L
Pressure triggering	-20cmH2O~PEEP	Spontaneous respiration frequency	0~99 L/min
Flowrate triggering	0 ^[1]		0~120 bpm
PEEP	0.5~20 L/min		0~120 bpm
	0~50 cmH2O	PEEP	0~100 cmH2O
Pressure support	0~80 cmH2O	Airway peak pressure	0~100 cmH2O
Pressure control	5~80 cmH2O	Mean airway pressure	0~100 cmH2O
High pressure level	5~80 cmH2O	Inspiratory platform pressure	0~100 cmH2O
Low pressure level	0~50 cmH2O	Minimum airway pressure	-20~100 cmH2O
Oxygen concentration	21~100%	Inhaled oxygen concentration	15% ~100 %
100% O2	2min	Airway resistance	0~600 cmH2O/(L/S)
Thigh	0.1~30s		0~300 mL/cmH2O
Tlow	0.2~30s	Compliance	0 ~ 9999 bpm/L
freeze	Yes	RSBI	0~100cmH2O
Expiratory hold (optional)	Yes	PEEPi	0 ~ 100 mmHg
Inspiratory hold (optional)	Yes	EtCO2 (Optional)	
Manual inspiration (optional)	Yes		

Friendly interface

10.4”TFT touch screen, with a rotary knob.

- High-resolution display suit for long-term application in ICU

Keyboard lock

- Prevents accidental touching that could lead to parameter changes and endangering patient safety,
- Key lock can be initiated any time during the operation interface.

Active Exhalation Valve

- Achieves breathing during both inspiratory and expiratory.
- Actively controls the target pressure, prevent airway pressure high
- Promotes patient ventilator synchrony.
- Modular exhalation valve & flow sensor is easily removable and serializable.