Pediatric through adult ventilation.

Features

- 10.4"TFT color screen.
- · Intuitive control via navigator wheel knob and touch keys.
- · Wide choice of ventilation modes, including CPAP,
- · APRV, and BIPAP (option).
- PEEP, P-V loop, and V-F loop.
- · Flow and pressure trigger.
- Static compliance and resistance monitor.
- · Three-level visual and audible alarms, with
- concise descriptions of care issues.
- · Advanced built-in electronic air-oxygen mixing device.
- · Durable and accurate built-in flow sensor.
- Integrated expiration valve.
- · Backup apnea ventilation.
- · Auto-nebulizer.
- · Built-in battery.
- · CE-certified.

Great Visibility

 The Verdana is equipped with a large TFT 10.4" full-color display. The high-resolution display provides flexible graphics menus that combine respiratory curves, loops and numerical data of physiological parameters.

Assistant Functions

- Inspiratory Hold: Convenience for taking X-ray pictures of the patient during ventilation, availability for clinician to assess patient's static pulmonary mechanics.
- Expiratory Hold: Accessibility for measuring intrinsic PEEP.
- 100% FiO2: More effective support for suction.
- Manifold parameter selections are operated by means of a single ComWheel.
- Manual Insp.: Availability for clinician to make prompt response to the patient's inspiration need.

Expiratory Valve

 With a heating function, the expiratory valve protects the device from condensed water and provides accuracy of the flow sensor.

Humidifier

• Features protection function and nine steps for controlling temperature.

Compressor

High quality medical compressor with low noise, compatible for most medical devices.



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Equipment for the way you operate

Technical Specifications

Ventilator Setting	
Ventilation Modes	VCV, PCV, PSV, SIMV-V,
	SIMV-P, SPONT, CPAP,
	backup apnea ventilation,
	APRV, BIPAP (option)
Tidal Volume	50 ~ 1,500mL
	1 ~ 100bpm
SIMV Breath Rate	1 ~ 40bpm
Inspiratory Time	0.1 ~ 12s
Pause Time	0~48s
Pressure Trigger Sensitivity	0 ~ 4.8s (PEEP-20cmH2O) ~ PEEPcmH20
Flow Trigger Sensitivity	1 ~ 20LPM
PSV	0 ~ 70cmH20
High Pressure	1 ~ 80cmH2O
Low Pressure	0 ~ 79cmH20
Waveforms Displayed	0 ~ 79cmH2O P-T, F-T, V-T, P-V loop, V-F loop
PEED/CPAP	0 ~ 50cmH2O
	21 ~ 100%
	0 ~ 70cmH2O
	5 ~ 70cmH2O
	0.1 ~ 30s
	0.5 ~ 30s
P-high	5 ~ 70cmH2O
	0 ~ 50cmH2O
Alarm Silence	≤120s
Parameters Monitored	Vti, Vte, MV, MVspn, f,
r drameters with morntored	fspn, FiO2, Ppeak, Pmean,
	Pplat, PEEP, Pmin,
	Compliance, Resistance
	Interface RS232, VGA
Assist Functions	interface N3232, VG/V
	Freeze current screen and
Freeze	suspend real-time data
Insp. Hold	
Exp. Hold	15s max
O2 Suction	100% O2 for 2 minutes
O2 Suction Manual Insp	100% 02 101 2 11111111111111111111111111
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VCV Mode

In VCV mode, the ventilator delivers mandatory breaths by setting tidal volume. When the ventilator detects the patient's inspiratory effort, it delivers a patient-initiated mandatory (PIM) breath. If the ventilator does not detect inspiratory effort, it delivers a ventilator-initiated mandatory (VIM) breath at an interval based on the set respiratory rate. Breaths can be pressure-triggered or flow-triggered in VCV mode.

SIMV Mode

SIMV is a mixed ventilator mode that allows both mandatory and spontaneous breaths. The mandatory breaths can be volume-based (SIMV-V) or pressure-based SIMV-P), and the spontaneous breaths can be pressure-assisted. The clinician can select pressure-triggering or flow-triggering in SIMV.

Specifications subject to change without notice.

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MV-upper Limit	0 ~ 99L
MV-lower Limit	0 ~ 99L
Paw-upper Limit	0.1 ~ 8kPa
Paw-lower Limit	0 ~ 7.9kPa
Vte-upper Limit	0.05 ~ 2.00L, OFF
Rate-upper Limit	1 ~ 100bpm
Rate-low Limit	0 ~ 99bpm
l apnea	15 ~ 60s
FiO2-lower Limit	21 ~ 99%
FIO2-upper Limit	22 ~ 100%
Mains failure, battery low, battery discharged,	,
Air/O2 supply down, circuit occlusion	

Power and Environmental

Power AC	110 ~ 240V, 50 ~ 60Hz
100001710	DC 12V, 4.4 AH
Power Consumption	65VA
Driven Mode	Pneumatically driven,
	electronically controlled
Air/O2 Supply	Pressure 0.28 ~ 0.6Mpa
	>50L/min
Temperature	Operation 10 ~ 40° C
	Storage -20 ~ 55° C
Relative Humidity	Operation ≤80%, non-condensing
	Storage ≤93%, non-condensing
Atmospheric Pressure	Operation 70 ~ 106kPa
	Storage 50 ~ 106kPa
Components	

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Main Unit Weight and Dir	nension

Weight	≤16KG
Dimension	400mm (H) x 303mm (W) x 250mm (D)

Compressor

Power cord, Gas pipeline, Patient circuit, Face mask, Humidifier, Support arm

PSV Mode

Option

Accessories

In PSV mode, inspiration is usually initiated by patient effort. Breaths are initiated via pressure or flow triggering. The clinician can also initiate a manual inspiration during PSV. PSV breaths are:

- » Controlled by pressure (preset PSV level + PEEP).
- » Limited by pressure (preset PSV level + PEEP + margin)
- » Cycled by time (PSV Tmax) or flow (PSV Cycle)

APRV Mode

APRV is a time-cycled pressure mode. In this mode, the patient is allowed to breathe spontaneously at two preset pressure levels. These are set using the P-high and P-low controls. The maximum duration at each pressure during time cycling is set with the T-high and T-low controls. Additionally, CPAP can be added to improve comfort of the patient during spontaneous breathing.