



# VG70

## Ventilator

CE<sub>0123</sub>

TECHNICAL  
DATA

**AEO MED**  
Reliable Quality Thoughtful Service

VG70 is a critical care ventilator suitable for intra-hospital transport and sub-acute care of children and adults. VG70 combines the advantages of a flexible noninvasive ventilator with a full-featured invasive ventilator. It has comprehensive functionality and a user-friendly design.



### Patient Type

Adult, Child (>3 Kg)

### Ventilation Modes

VCV	SIMV(VCV)+PSV
PCV	SIMV(PCV)+PSV
PRVC	SIMV(PRVC)+PSV
SPONT/CPAP+PSV	BIVENT/APRV+PSV
NIV-T	NIV/CPAP
NIV-S/T	

### Parameter Setting

Tidal volume (Vt)	50-2000 mL(Adult) 20-300 mL (Child)
Compliance compensation	ON/OFF
Pinsp	5-60 cmH <sub>2</sub> O
Psupp	0-60 cmH <sub>2</sub> O
CPAP in NIV	2-20 cmH <sub>2</sub> O
PEEP	0-35 cmH <sub>2</sub> O
PEEP in NIV	2-20 cmH <sub>2</sub> O
Phigh	5-60 cmH <sub>2</sub> O
Plow	0-35 cmH <sub>2</sub> O
Psens	-20-0 cmH <sub>2</sub> O
Vsens	0.5-20 L/min
Tube compensation (%)	0-100
ATC tube type	ET/TT
Esens	5-80 %
Inspiratory time (Ti)	0.2-9 s (Adult) 0.2-5 s (Child)
Backup ventilation T <sub>insp</sub>	0.2-9 s (Adult) 0.2-5 s (Child)
Pause time (T <sub>pause</sub> )	0-4 s (Adult) 0-2.5 s (Child)
Rising time (T <sub>slope</sub> )	0-2 s
T <sub>high</sub>	0.2-30 s
T <sub>low</sub>	0.2-30 s
Frequency (f)	1-80 bpm
NIV ventilation rate	4-20 bpm (Adult) 4-40 bpm (Child)
SIMV ventilation rate	1-40 bpm
I:E ratio	1:10-4:1
Nebulizer time	30 min or 45 min
O <sub>2</sub> concentration	21-100 %

## Enhancements

Apnea back-up ventilation	
Automatic tube compensation (ATC)	
Suction	Screen lock
Standby	Alarm silence
Print screen	Expiratory hold
Nebulization	Lung recruitment
Lung mechanics	Waveform freeze
Manual breath	EtCO <sub>2</sub> measurement
Inspiratory hold	Leakage compensation
Non-invasive ventilation	

## Monitoring Data

Ppeak	V <sub>ti</sub>	R <sub>exp</sub>	T <sub>ispon</sub> t
Pplat	V <sub>te</sub>	C <sub>dyn</sub>	FiO <sub>2</sub>
PEEP	M <sub>Ve</sub>	RSBI	FiCO <sub>2</sub>
P <sub>mean</sub>	M <sub>Vespon</sub> t	V <sub>daw</sub>	EtCO <sub>2</sub>
P <sub>min</sub>	f <sub>total</sub>	I:E	Leak <sub>NIV</sub>
f <sub>spont</sub>	WOB		

## Lung Mechanics

R <sub>insp</sub>	PEEP <sub>i</sub>	C <sub>static</sub>
Elastance	T <sub>c</sub>	

## Parameter Monitoring Range

VT <sub>i</sub> /VT <sub>e</sub>	0-4000 mL
MV <sub>i</sub> /M <sub>Ve</sub>	0-60 L/min
FiO <sub>2</sub>	18-100 %
P <sub>aw</sub>	-20-80 cmH <sub>2</sub> O

## Alarm Setting

High P <sub>aw</sub>	5-80 cmH <sub>2</sub> O
High M <sub>Ve</sub>	1-60 L/min, OFF
Low M <sub>Ve</sub>	OFF, 0.1-40 L/min
Apnea time	10-60 s, OFF
Frequency (f)	10-80 bpm, OFF
Low PEEP	OFF, 1-35 cmH <sub>2</sub> O
High EtCO <sub>2</sub>	0.1-13.3 %
Low EtCO <sub>2</sub>	0.1-13.2 %, OFF

## Waveform Display

Flow-T	Paw-T	Volume-T	EtCO <sub>2</sub> -T
V-F Loop	P-V Loop	F-P Loop	

## Other Settings

Alarm volume	20, 40, 60, 80, 100 %
Trend	72 H
Log	3000 messages
Screen brightness	Day, Night

## Language

Chinese	English	Other languages
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## Environmental Requirements

Temperature	
Operating condition	5°C-40°C
Storage condition	-20°C-60°C
Relative humidity	
Operating condition	5-95%
Storage condition	≤95%
Barometric pressure	
Operating condition	70-106 kPa
Storage condition	70-106 kPa

## Electrical

AC voltage	100-240 V, 50/60 Hz
DC voltage	12-24V
One battery run time	Minimum 2 hours
Two batteries run time	Minimum 4 hours

## Gas Supply

Supply pressure (O <sub>2</sub> )	280-600 kPa (41-87 psi)
Connection standard	DISS, NIST
Low-flow oxygen inlet	≤600 kPa (pressure) ≤15 L/min (flow)

## Physical Specifications

Dimension (main unit)	322*375*366mm
Main unit weight	12.5 kg
Cart weight	25 kg
Screen size	12" color touch screen
Communication ports	Nurse call port CO <sub>2</sub> port USB port VGA port

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