



VG70

Ventilator

Technical Data



VG70 is a critical care ventilator suitable for intra-hospital transport and sub-acute care of infants, 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. VG70's internal turbine provides needed air pressure with a low sound level and, along with its internal batteries, prepare it fully for mobile use.



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	5-70 cmH ₂ O
Psupp	0-70 cmH ₂ O
CPAP in NIV	2-20 cmH ₂ O
PEEP	0-35 cmH ₂ O
PEEP in NIV	2-20 cmH ₂ O
Phigh	5-60 cmH ₂ O
Plow	0-35 cmH ₂ O
Psens	-20-0 cmH ₂ 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 Tinsp	0.2-9 s (Adult) 0.2-5 s (Child)
Pause time (Tpause)	0-4 s (Adult) 0-2.5 s (Child)
Rising time (Tslope)	0-2 s
Thigh	0.2-30 s
Tlow	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 ₂ concentration	21-100 %

Enhancements

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

Monitoring Data

Ppeak	Vti	Rexp	Tisport
Pplat	Vte	Cdyn	FiO ₂
PEEP	MVe	RSBI	FICO ₂
Pmean	MVesport	Vdaw	EtCO ₂
Pmin	ftotal	I:E	Leak _{WV}
fsport	WOB		

Lung Mechanics

Rinsp	PFFPi	Cstatic
Elastance	Tc	

Parameter Monitoring Range

VTi/VTe	0-4000 mL
MVi/MVe	0-60 L/min
FiO ₂	18-100 %
Paw	-20-80 cmH ₂ O

Alarm Setting

High Paw	5-80 cmH ₂ O
High MVe	1-60 L/min, OFF
Low MVe	OFF, 0.1-40 L/min
Apnea time	10-60 s, OFF
Frequency (f)	10-80 bpm, OFF
Low PEEP	OFF, 1-35 cmH ₂ O
High EtCO ₂	0.1-13.3 %
Low EtCO ₂	0.1-13.2 %, OFF

Waveform Display

Flow-T	Paw-T	Volume-T	EtCO ₂ -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	12-24 V,
One battery run time	Minimum 2 hours
Two batteries run time	Minimum 4 hours

Gas Supply

Supply pressure (O ₂)	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*366 mm
Main unit weight	12.5 kg
Cart weight	25 kg
Screen size	12" color touch screen
Communication ports	Nurse call port Ethernet port RS-232 port CO ₂ port USB port VGA port

VG70 Ventilator Configuration List (European Std 112000079)**Standard**

Part Number	Name	Description	Qty
☒ 112000079	VG70 Ventilator	Include VG70 Ventilator Main Unit and Accessory	1
☒ 121000675	VG70 Ventilator Main Unit	Electronically driven and controlled, built-in flow and pressure sensor, built-in oxygen blender. Include Cannon	1
☒ 122009883	Accessory	European Standard	1
☒ 130013843	VG70 Ventilator User Manual	User manual	1
☒ 210002134	Power cable	European standard, 5M	1
☒ 130000231	Diaphragm		2
☒ 130009651	Water Trap		1
☒ 130004094	Cover		1
☒ 130001347	One-way diaphragm		1
☒ 130015084	Tool to disassemble exhalation valve		1
☒ 130010423	Fan filter		1
☒ 130004358	Filter Core		1
☒ 130003930	Filter		1
☒ 230000728	Nebulizer		1
☒ 210003734	Internal battery RRC2024	Lithium Battery	1
☒ 210001975	Oxygen sensor		1
☒ 210003856	Fuse T3.15AH250V		2
☒ 230000934	Adult breathing circuit kit	Include : five Silicone threaded circuit Φ22, one Y-piece, two Water traps, one L-tie-in	1
☒ 230000951	800-21001Adult Test lung		1
☒ 230001094	Face Mask (L)	RAP-422 Adult ,English, with head band, NIV silic	1
☒ 230001187	Elbow(inner diameter 22mm)	Must choose when face mask is chosen	1
☒ 230000952	800-51900-11Bacterial filter	Reusable	2
☒ 122006184	Oxygen inlet filter		1
☒ 122000048	Oxygen pipe line	European Standard	1
☒ 240000474	VHB10A Humidifier	European Standard	1
☒ 122007662	Cart assembly (220V)	Include cart, power supply unit and etc. European standard.	1
☒ 240000030	Arm		1

The buyers: _____ The sellers: _____ Sold price: 88000CNY

Note:

1. When using this configuration list as annex of contract, it should be in duplicate, each of the parties holds one copy, the contract will come into effect upon signature.
2. Mark ☒ in check box in the front of selected part number, mark ☐ in check box in front of non-selected part number, do not left check box blank.
3. When releasing a new version of the configuration list, this configuration list becomes void immediately.