VG70
TECHNICAL DATA

Patient type： Adult and pediatric patient

Ventilation modes： VCV(A/C)

PCV(A/C)

PRVC(optional)

SIMV(VCV)+PSV

SIMV(PCV)+PSV

SIMV(PRVC)+PSV

SPONT/CPAP+PSV

BIVENT/APRV+PSV(optional)

NIV/CPAP

NIV-T

NIV-S/T

Enhancements：

Apnea ventilation

Lung mechanic

Pressure and Flow trigger

Automatic Tube Compensation (ATC)

Smart suction

Manual breath

Insp/Exp hold

Waveform freeze

Nebulization

Non-invasive ventilation (NIV)

etCO2 measurement

Parameter settings

Ventilation frequency (f)VCV： 1-80/min （adult）

2-80/min （pediatric）

NIV Ventilation frequency (f)： 4-20/min （adult）

	4-40/min （pediatric）
Inspiratory time (Ti)：	0.2-9 s （adult）
	0.2-5 s （pediatric）
Tidal volume (VT)：	50-2000ml （adult）
	20-300ml （pediatric）
Tpause：	0-4 s （adult）
	0-2.5 s （pediatric）
Ventilation frequency (f)SIMV：	1-40/min
Inspiratory pressure (Pinsp):	5-70 cmH2O
Psupp：	0-70 cmH2O
Psupp NIV：	0 to（50-PEEP ）cmH2O
PEEP:	0-35 cmH2O
PEEP in NIV：	2-20 cmH2O
CPAP in NIV：	2-20 cmH2O
Rise time (Slope)：	0-2 s
O2 concentration (FiO2)：	21%-100%
Trigger sensitivity:	0.5 to 20 L/min（Flow trigger）
	-20 to 0 cmH2O （Pressure trigger）
Exp. sensitivity(% of peak flow)：	5%-80%

BIVENT

Thigh：	0.2-30 s

Tlow： 0.2-30 s

Phigh： 5-60 cmH2O

Plow： 0-35 cmH2O

Automatic Tube Compensation (ATC)

Inner tube diameter： 5-12mm （adult）

2.5-8mm（pediatric）

Tube type： Endotracheal tube ET

Tracheostomy tube Trach

Degree of compensation：0-100%

Measured values displayed

Airway pressure measurement：

Plateau pressure (Pplat)

Positive end-expiratory pressure (PEEP)

Peak inspiratory pressure (Ppeak)

Mean airway pressure (Pmean)

Min. airway pressure (Pmin)

Flow measurement：

Expiratory minute volume (MVe)

Spontaneous expiratory minute volume (MVespont)

Inspiratory tidal volume (VTi)

Expiratory tidal volume (VTe)

Frequency measurement:

Total respiratory frequency (ftotal)

Spontaneous respiratory frequency (fspont)

O2 measurement:

Inspiratory O2 concentration (FiO2)

CO2 measurement

End-expiratory CO2 concentration (etCO2)

Displayed calculated values

Compliance (C)

Resistance (R)

leakNIV

RSBI

WOB

Tispont

I:E

Vdaw

PEEPi

Tc

Elastance

Curve displays：	Airway pressure (t) (Paw)	-20 to 100 cmH2O
	Flow (t)	-180 to 180 L/min
	Volume (t)	0 to 3000ml
	CO2 (t)	0 to 80 cmH2O
	Pressure-Volume loop	
	Pressure-Flow loop	
	Flow-Volume loop	

Alarms

Expiratory minute volume (MVe)	High / Low
Airway pressure (Paw)	High / Low
Expiratory tidal volume (Vte)	low
PEEP	High / Low
Insp. O2 concentration (FiO2) (automatic)	High / Low
End - expiratory CO2 concentration (etCO2)	High / Low
Respiratory rate (f)	High
Apnea alarm time	10 to 60 seconds, Off
Inspiration duration	High
Oxygen sensor failure	Yes
O2 supply pressure	Low
AC failure	Yes

Low battery	Yes
Limited battery capacity	Yes
Occlusion	Yes
CO2 sensor	Error/Failure
Leakage out of range	Yes
Fan block	Yes

Performance data

Control principle:

Electronically driven and electronically controlled

Nebulization: 30min

Suction Oxygen enrichment: Before aspiration of sputum 3 min

Post aspiration of sputum 2min

Base flow： 5-25 L/min

Max flow： 180 L/min

Leakage compensating flow: 60L/min

Operating data

Main power connection： 100V-240V, 50/60Hz

Power consumption：

110-120VAC：2A,200VAC（Ventilator only）

10A（Ventilator plus Auxiliary Outlets）

220-240VAC：1A,200VAC （Ventilator only）

8A（Ventilator plus Auxiliary Outlets）

Gas supply：

O2 gauge pressure 280-600KPa

Language:

Chinese, English, Spanish, Polish, Turkish, Russian

Other languages can be customized.

Physical Specifications

Dimensions（W*D*H）：VG70 350mm*460mm*415mm

Cart 547mm*675mm*950mm

Weight： VG70 15kg

Cart 25kg

Diagonal screen size： 12"TFT color touch screen

Input / Output ports： 2 USB ports

Real-time VGA output

1 RJ 45 Ethernet connectors

Nurse call

CO2 port

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