

Invasive and Non-Invasive Ventilator



Main Features

- Volume and Pressure Synchronised Intermittent Mandatory Ventilation (VSIMV, PSIMV)
- Continuous Positive Airway Pressure (CPAP)
- Supports Multiple Breath Types: Volume Control, Pressure Control and Pressure Support



Indicative of use

- Sub-Acute Care, Acute Care and Home Care
- Adult and Pediatric Patients Requiring Invasive or Non-Invasive Support

Designed for convenience

- Compact, lightweight and quiet
- Bedside and portable use
- Easier user operation
- Lithium ion battery provides up to 11 hours of ventilation operation with real-time battery usage
- Automatic pre-use check of entire system before operating
- Equipped with internal Air Supply for area with no Medical Air Supply
- Ventilator parameters and alarm settings are linked to reduce the risk of clinically inappropriate settings

Applied Standards

- ISO 13485: 2016 Quality Management Standard for Medical Devices
- ISO 9001: 2018 Quality Management Standard
- Act 737: Malaysia Medical Device 2012



SPECIFICATIONS

Weight	4.5 kg
Dimensions	23.5 cm x 31.5cm x 15.4cm
Noise	< 30 dBA at 1 m

ELECTRICAL CHARACTERISTICS

Power Supply	AC: 100-240V AC, 50/60Hz0VAC
Power Usage	180 VA max
Internal Battery	Lithium ion, 25.2 V, 4.8 Ah

ENVIRONMENT

OPERATING

Temperature	+5° C to 40° C (-40° F to 104° F)
Humidity	10% to 95% RH
Atmospheric pressure	8.7 psi to 16.0 psi (600 hPa to 1100 hPa)
Oxygen Supply, LPO (Low Pressure O2 Supply)	0-15LPM @ 7 psi
Air Supply	Turbine Driven

STORAGE

Temperature	-40° C to +70° C (-40° F to 158° F)
Humidity	10% to 95% RH
Atmospheric pressure	7.2 psi to 15.4psi (500 hPa to 1060 hPa)
Alarms	Adjustable alarm sound level (65-85 dBA at 1 meter)

SETTING PARAMETERS

MODES

CPAP, PSV/ST, P A/C, V A/C, V SIMV, P SIMV

PERFORMANCE PARAMETER SPECIFICATIONS

Volume	50 to 2000 mL
Pressure	5 to 55mbar
Inspiratory time	0.3 to 2.4 s
Rate	1 to 60 b/min
Inspiratory Sensitivity	OP to 5
Exhalation Sensitivity	5 to 95%

MONITORED PARAMETER SPECIFICATIONS

Peak Inspiratory Pressure (PIP)	0 to 99 mbar
Positive End Expiratory Pressure (PEEP)	0 to 99 mbar
Inspiratory Tidal Volume (VTI)	0 to 9999 mL
Exhalation Tidal Volume (VTE)	20 to 9999 mL
Total Breath Rate (Rtot)	0 to 99 bpm
I:E Ratio (I:E)	9.9:1 to 1:9.9
Inspiratory Time (I Time)	0 to 9.9 s
Exhalation Time (E Time)	0 to 59.9 s
Inspiratory Minute Volume (Min VI)	0 to 99.9 l
FiO2	0 to 99%
Leak	0 to 200 L/min
Apnea Time	0 to 999 s
% Spontaneous (Spont)	0 to 100%

PRODUCT OFFERINGS

DESCRIPTION	CATALOG
VenTech S1 portable ventilator	VS01000

ACCESSORIES

*Trolley (option)	M02031
Oxygen inlet connector with Oxygen tube	M01014
FiO2 measurement kit	T01008

DISPOSABLES

Air inlet combi filter	M02031
Adult/Paediatric double-limb patient circuit with exhalation valve, 180cm PVC	T01011
Adult/Paediatric single-limb patient circuit with exhalation valve, 180cm PVC	T01010



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