



Cvent-1200T

Excellent weaning performance
one intelligent ventilator for Neonatal-Paediatric

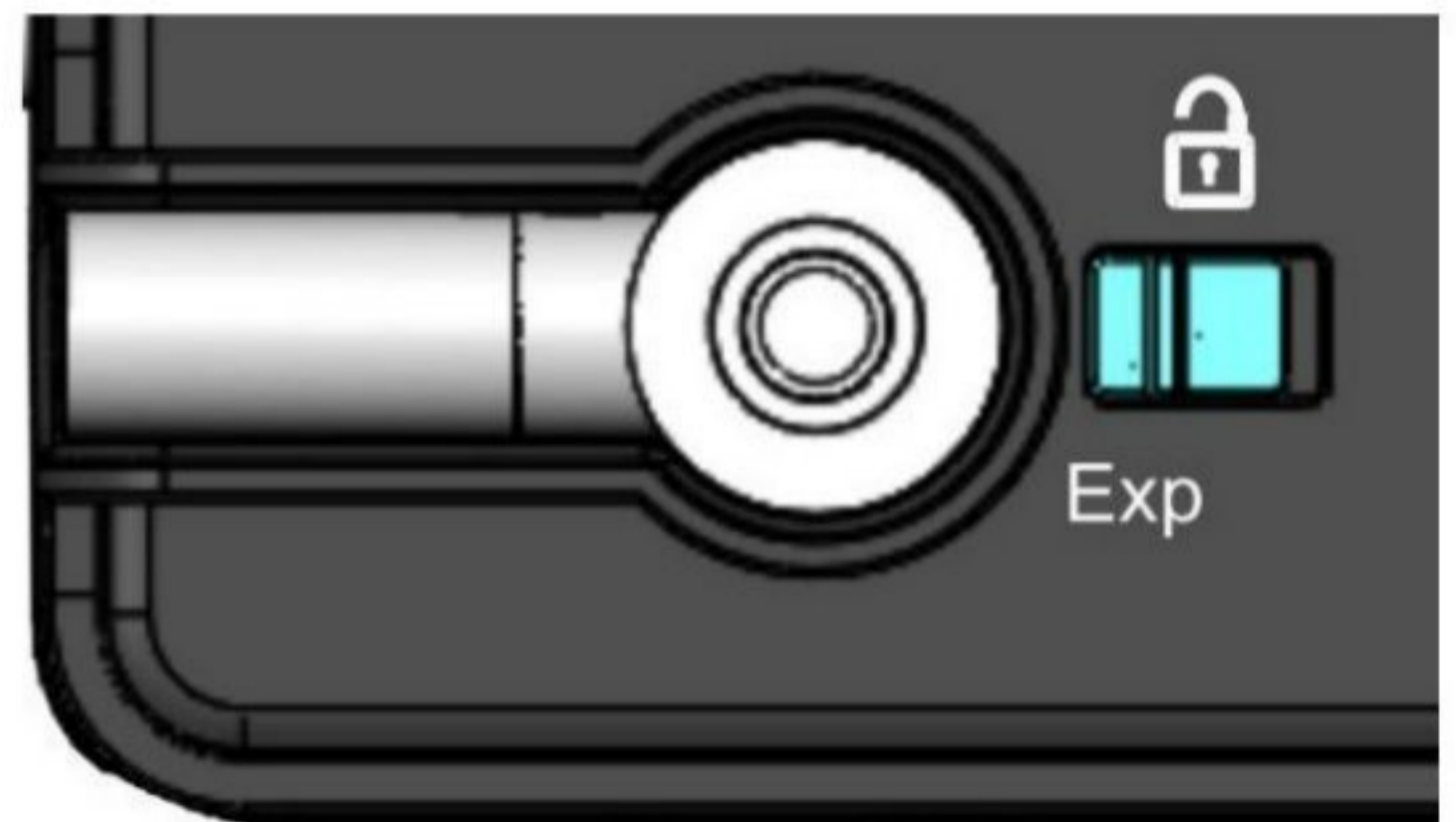
Technology makes ventilation intelligent - safe to use

Cvent-1200T advance intensive care ventilator integrated with state of art SWISS MADE CMOSens flow sensor technology for fastest sensing & accurate flow delivery to Neonatal - Adult (Tidal volume from 2ml to 2000ml)



- Easy to use interface ,12.1" Color TFT display with Touch Screen Key pad/Touch Screen Lock facility for protection against accidental/un intentional changes
- Simultaneously display of Three Waveforms & Three Loops
- Multi level mechanism for patient safety with intelligent high alert alarming system, hence increase safety of operation
Three Level color coded audio-visual alarms
- Maintenance - free, auto self testing and no need routine calibration of flow sensor
- Fixed reusable flow sensor hence no daily recurring cost
- Lowest in class bias flow 2.0 L/min, Low o2 consumption
- Automatic Tube & leakage compensation technology
- Advance Pre Test System before use , assured the professions to safely use of machine on patients
- Medical air compressor (Model AF-12) option ensures a constant, compressed air supply in case main central line fail.
Unique anti vibration design assures low noise & quiet operation with sound level ≤ 56 db
Multi level air filtering (5 μ m), cooling & water removal with auto drain system, gives clean, dry & oil free medical air supply
- Air Compressor driven technology which makes, more accurate in spontaneous delivery
- Humidifier option ensure a high level of gas humidification to patient

- Anti condensation heated exhalation system with auto sterilization can (Make ICU infection free)
- Auto-Cleavable at 134 degree can use safely and prevent cross infection
- Low maintenance cost, Easily removable, trouble free Active Exhalation Valve technology
- Up gradable to Capnography (EtCO2) &Pulse Oximetry (Spo2)*



intelligent Ventilator for Adult – Pediatric – Neonatal

Cvent-1200T ventilator system, customize the treatment of every patient with advance modes & decision supporting tools and monitoring make professional's comfortable

Adult-Pediatric Ventilation

- Tidal volume from 10ml to 2000ml (Pediatric-Adult)
- Pressure control mode with tidal volume security/guarantee provide the advantage of volume control ventilation both invasive & non invasive ventilation

Neonatal Ventilation

- Continuous Flow based (VIVE) Proven Technology for neonatal patients helps flushing dead space in Y piece and maintaining PEEP
- Proximal digital Flow Sensor option provides precise measurement of volume & flow directly at airway, a quick response time & less work breathing . Cvent provides tidal volumes as low as 2 ml with the Neonatal option for effective, Safe ventilation even for the smallest patients.

O2 Therapy: *

- High flow Oxygen rate in combination with an actively humidified system, to effectively improve the oxygenation of patients through the nasopharyngeal space

Powerful monitoring functions

- Lung mechanics parameters
- Up to 1500 Alarm Events review
- 72-hours Numerical & Graphical trend review
- Saved loops with comparison review*
- 10-Hours Breath to Breath Waveform review*

Utilities

- Inspiratory Hold & Expiratory Hold
- 100% O2 flushing
- Manual Breath
- SIGH Breath (Configurable)
- Nebulizer- Nebulization with tidal volume compensation (1-30 min)

Tools (Optional)*

- PV Tools (measure LIP & UIP)*
- MIP/NIF (Maximum Inspiratory Pressure)*
- PO.1 (Occlusion Pressure)*

SmartVent (Automatic Ventilation Mode)

- Intelligent mode of ventilation-Easy to Use & lung protective
- Ensure the guaranteed minute ventilation breath by breath at lowest inspiration pressure and helps patient for spontaneously activity from start of ventilation
- Automatically set Parameters according to Body Weight
- Auto Synchronous the flow on patient demand, Improve Patient Outcome, and avoid ventilator fighting on Spontaneous
- Results shorter ventilation times

PRVC (Pressure Regulated Volume Control)

- Advanced Dual Modes Make Cvent More Comfortable to patient Wean Case to Case
- Deliver Preset Tidal Volume at Same Rate with the Lowest Possible Pressure

DuoVent/ APRV Mode (Resistance Free Ventilation)

- Provide lung protective ventilation, Use an "open lung" approach including alveolar recruitment, improved oxygenation. in ARDS patients.
- Pressure support setting in both lunge for spontaneous breathing to patients.

NIV S/T (Non-Invasive with Synchrony Feature)

- More Unique Benefits , High Performance Non Invasive Ventilation. Also Set Trigger, Rate with Additional Parameters

nCPAP/nBPAP

- Most effective therapy , used worldwide , Cvent also recommend to use NIV option in newborns.

VG Option (Volume Guarantee)*

- New Approaches in volume control ventilation for neonatal have Potential advantages of less risk for barotraumas because the tidal volume delivered is limited Reduced peak pressure especially when the baby makes a significant contribution from spontaneous effort

Technical Specifications

Cvent-1200T

Patient Type	Adult	Pediatric	Neonatal (Optional)
Modes	VCV, SIMV-VC, PCV, SIMV-PC, PSV, CPAP + Apnea Backup, APRV, DuoVent, PRVC, SIMV-PRVC, SmartVent (Optional) Non-Invasive: NIV, NIV-ST, O2 Therapy	VCV, SIMV-VC, PCV, SIMV-PC, PSV, CPAP + Apnea Backup, APRV, DuoVent, PRVC, SIMV-PRVC, SmartVent (Optional) Non-Invasive: NIV, NIV-ST, O2 Therapy	IPPV, SIPPV, SIMV, PSV, CPAP, VCV Non-Invasive: nCPAP, nBPAP O2 Therapy
Tidal Volume	150-2000 ml	10-350 ml	2-100 ml
Frequency	1-100 bpm	4-150 bpm	4-200 bpm
Apnea Back Up Frequency	4-50 bpm	4-80 bpm	2-100 bpm
Apnea Time	3-45 Seconds	3-45 Seconds	3-45 Seconds
O2 Therapy Flow	1-60 L/min	1-50 L/min	1-40 L/min
Inspiration time	0.1- 12 S (increment:0.1S)	0.1- 12 S (increment:0.1S)	0.1- 3 S (increment:0.1S)
T_Pause/T_Rise	0-50% /Auto		
FiO2	21%-100% , 100% O2 (0-5 minutes)		
Trigger	Flow Trigger :0 to 20 L/min, Pressure Trigger : – 20 to 0 cm H2O,ETS: % 5 to 80%		
Flow range/Pattern	0-120 L/min, Square, Decelerating		
Pressure Control	5-120 cmH2O		
Pressure Support	0-120 cmH2O		
Electronic PEEP	0-50 cm H2O (increment:1 cm H2O)		
I:E Ratio	1:9.9 – 9.9:1		
Nebulizer	0-30 minutes (Particle Size ≤3 micron) Optional		
Waveforms & Loops	Waveforms : P-T, F-T, V-T , Etco2* , Spo2* & Loops : P-V, F-V, P-F		
Recall / Review	1500 alarm events , 72 Hours Numerical & Graphical Trends, Saved loops with comparison (optional)* , 10 Hours Breath to Breath Waveform Review (Optional)*		
Monitoring Parameters	Ppeak, Pmean, Pplat, PEEP, VTi, VTe, MVe, MV_cont., MV_spont, F_Peak_insp, F_Peak_Exp, Leak%, Freq, F_cont., F_spont, % F spont, I:E, Ti, Te, Ti/T total, FiO2, (Spo2, Etco2-optional)* Cstat, Cdyn, Rins, Rexp, RSBI, WOB, Auto PEEP, MIP, P0.1, TC, C/C20		
Alarm	Three Level Audio-visual color coded alarms includes VTe high/low, MV high/low, Tidal volume not reached, High leak Peak Pressure high/low, Pressure limitation, O2 supply pressure high/low/fail, Air supply pressure high/low/fail, Apnea, Apnea Backup, Freq high/low, FiO2 high/low, Circle Block, Circuit disconnection, Expiratory block Power: AC Power Fail, Low Battery, Battery too Low		
GENERAL			
Dimensions/Weight	350x285x390 mm (HxWxD) / 12Kg		
Communication Interface	VGA, USB, RJ45 (optional), CO2, SpO2.		
Display	12.1 inch color TFT with Touch Screen (Ratable)		
Air/Oxygen Gas supply	2.4 to 6.0 bar central supply or integrated Air Compressor (AF-12)-Optional-Humidifier		
Power Supply	100-265V AC, 50/60Hz, 1A, 100 VA ,Battery 9.6V,9Ah Lithium Ion Phosphate ,(LiFePO4) Backup ≥ 180min.		
SAFETY STANDARD			
Basic Construction	In accordance with IEC 60601-1, IEC 60601-1-2 & EMC 60601-2		
Unit Type	Class 1, Type B, Ip21		
Working Environment	Temperature : 10 To 40°C , Relative Humidity : 10 To 90% Non Condensing		
Configuration	⊙Basic: Adult-Pediatric ⊙ Neo: Neonatal - Pediatric ⊙ Universal: Adult-Neonatal ⊙ Advance*: Adult-Peard-Neonatal		



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