



Diomede Neo Ventilator

User Interface

High quality and smooth graphical user friendly interface

Type :	Projected Capacitive Touch
Size :	18.5"
Resolution :	1366 x 768

Adjustable Parameters

Frequency :	1 - 150 bpm
Tidal Volume :	2 - 150 ml
Insp. Pressure :	2 - 100 cmH2O
Insp. Time :	0.1 - 3.0 s
PEEP :	2 - 50 cmH2O
Rise Time :	0.1 - 0.4 s
Flow Shape :	Square or Decreasing
Pressure Support :	0 - 100 cmH2O
Insp. O2 :	21 - 100%
Pressure Trigger :	0.2 - 20 cmH2O
Flow Trigger :	0.2 - 15 lpm
Exp Trigger :	5 - 80%
Nebulizer :	On/Off
Insp/Exp :	On/Off

Additional Features

- Integrated Air Compressor*
- Volume correction according to patient circuit compliance
- Leak compensation available in all operative modes
- Body temperature volume correction(BTPS)
- Altitude compensation for volume correction
- Tidal Volume Setting based on Ideal Body Weight(IBW)

Pneumatic Specifications

Inlet Range :	3.5 - 7 bar	Air Inlet Type :	DISS Male 3/4"
(Air and Oxygen) :	50 - 100 Psi	Oxygen Inlet Type :	DISS Male 9/16"

Ventilator Operating

Type :	Compressed Air Ventilator
Patient Range :	Neonate
Ventilation Type :	Invasive & Non Invasive
Flow Sensor :	Distal and Proximal
Ventilation Modes :	Volume Controlled : VCV, VSIMV+PSV Pressure Controlled : PCV, PSIMV+PSV Dual: PRVC, APRV Time Cycled: TCPL, NSIMV+PSV Pressure Support: PSV, CPAP, CPAP+CF Intelligent non invasive ventilation Mode

Electrical Specifications

Mains Power		Backup Power	
Power Supply :	100 - 240 V 50/60 Hz	Run Time :	≥ 120 min
IEC 60 601 :	Class 1, Type B	Battery Type :	Li - ion
Power Cord :	Any Type Available	Life Span :	≥ 3 years

Environmental Specifications

Operation		Storage	
Ambient Temp :	10 - 40 C°	Ambient Temp :	40 - 70 C°
Ambient Pressure :	507 - 1060 hPa	Ambient Pressure :	507 - 1060 hPa
Relative H :	10 - 95 % 4700 m	Relative Humidity :	10 - 95 %

Respiratory Mechanics

Auto-PEEP	RC Measure	Trapped Volume
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* : Optional



• **Trend**

6 Months Patient Data
Record and Review All Measurements Real Time up to 6 months



• **Respiratory Mechanics**

Fully Functional Respiratory Mechanics Measurements
Auto-PEEP, RC Measure, Trapped Volume



• **Overall View**

Monitor most important measures simple and userfriendly



• **Neonatal Specific**

Specifically designed and tuned for neonatal patients to add more precision and accuracy

• **Easy to start**

Comprehensive Ventilation Modes and Specifications

Modes :

- Volume Controlled: VCV, VSIMV+PSV
- Pressure Controlled: PCV, PSIMV+PSV
- Dual: PRVC, APRV
- Time Cycled: TCPL, NSIMV+PSV
- Pressure Support: PSV, CPAP, CPAP+CF



• **Parameter Setting**

Preview Before Apply
Smart automatic preset setting



• **Monitoring**

Swipe Pages Technology
Pressure : Peak, Plateau, Mean, PEEP
I : E Ratio
Expired Tidal volume, O2 Percentage
Inspiratory time (Ti) and Expiratory time (Te)
Rate: Total rate expressed in breaths per minute
Expired Minute Volume



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The Art of Breathing

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