



# Diomed Ventilator

## User Interface

High quality and smooth graphical user friendly interface

Type	Projected Capacitive Touch
Size	18.5"
Resolution	1366 x 768

## Ventilator Operating

Type	Compressed Air Ventilator
Patient Range	Adult, Paediatric
Ventilation Type	Invasive & Non Invasive
Flow Sensor	Distal
Ventilation Modes	Volume Controlled : VCV, VSIMV+PSV Pressure Controlled : PCV, PSIMV+PSV Dual Control Modes : MMV+PSV, APRV, PRVC Pressure Support: PSV, PSV (VT Guaranteed), CPAP Intelligent non invasive ventilation Mode

## Adjustable Parameters

Frequency	1 - 150 bpm	Pressure Trigger	0.2 - 20 cmH2O
Tidal Volume	20 - 2500 ml	Flow Trigger	0.2 - 15 lpm
Insp. Pressure	2 - 100 cmH2O	Exp. Trigger	5 - 80%
Insp. Time	0.1 - 3.0 s	Volumetric Sigh	On/Off
PEEP	2 - 50 cmH2O	Insp. Hold	On/Off
Rise Time	0.1 - 0.6 s	Exp. Hold	On/Off
Flow Shape	Square or Decreasing	Nebulizer	On/Off
Pressure Support	0 - 100 cmH2O	100% Oxygen	On/Off
Insp. O2	21 - 100%		

## Respiratory Mechanics

Auto-PEEP	RC Measure	Trapped Volume	Slow Vital Capacity
P0.1	PV Flex	Vd/Vt Physiologic*	

\* : Optional

## 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"

## Additional Features

Capnography*
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)

## Adjustable Parameters

<b>Mains Power</b>		<b>Backup Power</b>	
Power Supply :	110 - 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

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

\* : Optional



### 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

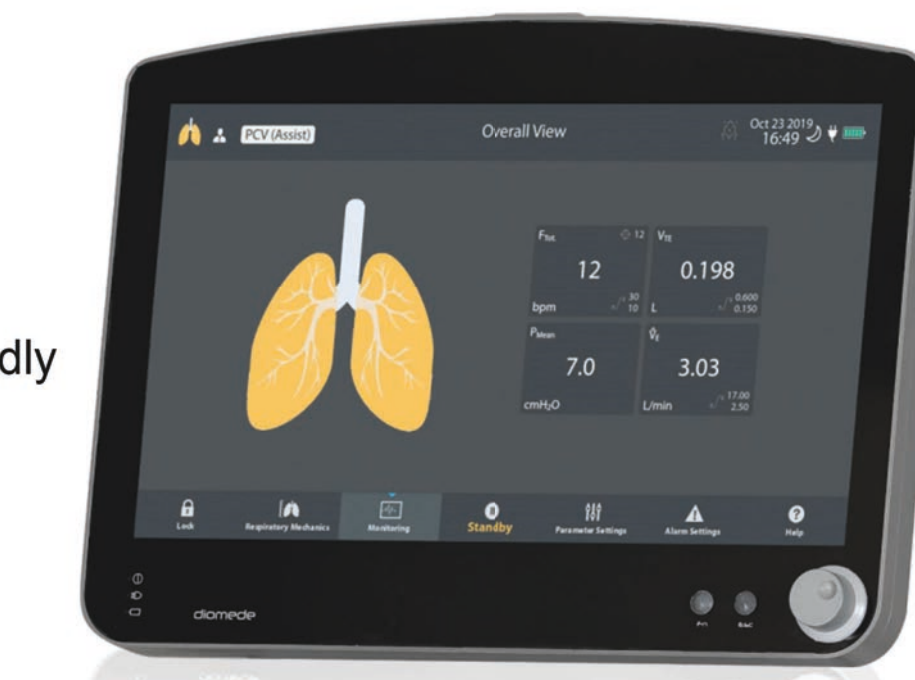


### Respiratory Mechanics

Fully Functional Respiratory Mechanics Measurements  
 Auto-PEEP, RC Measure, Trapped Volume, Slow Vital Capacity, P0.1, PV Flex, Vd/Vt Physiologic\*

### Overall View

Monitor the most important measures simply and userfriendly



### Capnography\*

ETCO2 : Partial pressure at the end of expiration  
 PECO2 : Mean expired CO2 partial pressure  
 Vd/Vt : Ratio between the serial dead space and the current volume  
 Va : Alveolar volume of each breath  
 Vd : serial or anatomical dead space volume of each breath  
 VTCO2: CO2 expired volume per breath

### Patient Range

Adult  
 Paediatric

### Easy to start

Comprehensive Ventilation Modes and Specifications

#### Modes :

Volume Controlled : VCV, VSIMV+PSV  
 Pressure Controlled : PCV, PSIMV+PSV  
 Dual Control Modes : MMV+PSV, APRV  
 Pressure Support: PSV, PSV (VT Guaranteed), CPAP  
 Intelligent non invasive ventilation Mode



### Parameter Setting

Preview Before Apply  
 Smart automatic preset setting



VIEW PDF



The Art of Breathing

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\* : Optional