



Dion Turbine Ventilator

User Interface	High quality and smooth graphical user friendly interface			
	Type	Projected Capacitive Touch		
	Size	18.5"		
Ventilator Operating	Resolution	1366 x 768		
	Type	Turbine Driven Ventilator		
	Patient Range	Paediatric, Adult		
	Ventilation Type	Invasive & Non Invasive		
	Ventilation Modes	Volume Controlled : VCV, AVCV, VSIMV+PS Pressure Controlled : PCV, APCV, PSIMV+PS CPAP/PS, CPAP, PSV, PSV+VT guaranteed		
Respiratory Mechanics	P0.1	RC Measure		
Pneumatic Specifications	Inlet Range		Inlet Type	
	High Pressure Oxygen	2.4 - 7 bar	High Pressure Oxygen	DISS Male 9/16"
	Low Pressure Oxygen	Up to 4 bar	Low Pressure Oxygen	DISS Male 1/4"
Electrical Specifications	Mains Power		Backup Power	
	Power Supply	110 - 220 V 50/60 Hz	Run Time	>= 90 min
			Battery Type	Li-ion
Environmental Specifications			Life Span	>= 3 Years
	Operation		Storage	
	Ambient Temp	10 - 40 C°	Ambient Temp	-40 - 70 C°
	Ambient Pressure	507 - 1060 hPa	Ambient Pressure	507 - 1060 hPa
	Relative Humidity	10 - 95 % (Non-Condensing)	Relative Humidity	10 - 95 % (Non-Condensing)
	Maximum Altitude	4700 m		

Ventilation Specifications

Parameters	Paediatric	Adult	Adjustments
Inspiration pressure (cm H2O) :	3 - 40 in NIV 3 - 60 in Invasive	5 - 60	1 cm H2O
Pressure support (cm H2O) :	3 - 40 in NIV 3 - 60 in Invasive	5 - 60	1 cm H2O
Pressure slope :	1, 2, 3, 4	1, 2, 3, 4	
PEEP (cm H2O) :	0 - 20	0 - 25	1 cm H2O
Tidal volume (mL) :	50 - 500	300 - 2500	10 mL (50 - 1000) 100mL (1000 - 2500)
Flow shape :	(1 - 5) Square/Decreasing	(1 - 5) Square/Decreasing	
Maximum flow (L/min) :	5 - 40	5 - 180	1 L/min
Respiratory Rate/Frequency (bpm) :	2 - 80	2 - 50	1 bpm
Inspiration time (seconds) :	0.3 - 3.0	0.3 - 3.0	0.1 sec
I/E ratio (1/x) :	1/0.4 - 1/9.9	1/0.4 - 1/9.9	1/0.1
Maximum inspiration time (seconds) :	1.0 - 3.0	1.0 - 3.0	0.1 sec
Apnea time (seconds) :	5 - 20	10 - 60	1 sec
Plateau time (seconds) :	0 - 1.5	0 - 2.0	0.1 sec
FiO2 (%) :	21 - 100	21 - 100	1% (21 - 100)



● Monitoring

Swipe Pages Technology All measured parameters
Shortcut to main pages four display layouts



● Trend

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



● Respiratory Mechanics

P0.1, RC Measure

● Overall View

Monitor most important measures simple and friendly

● Wide Patient Range

Paediatric
Adult



● Parameter Setting

Preview Before Apply
Smart automatic preset setting



● Easy to start

Comprehensive Ventilation Invasive & non Invasive Modes

Modes :

Volume Controlled : VCV, AVCV, VSIMV+PS
Pressure Controlled : PCV, APCV, PSIMV+PS
CPAP/PS, CPAP, PSV, PSV+VTguaranteed



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