

# V310+



**Turbine-based Technology**  
Eliminates the need for compressed medical air in ICU set-ups.



**Adult and Pediatric**  
Tidal Volume : 50-2000 ml. Suitable for ventilating 8kg onwards patients



**10" Touchscreen with Intuitive UI**  
Designed for seamless navigation and parameter control.



**14 Modes (including HFOT)**  
Smooth transitions from controlled ventilation to weaning on the device.



**8 Hours Battery Backup**  
Ideal for ICUs facing challenges of power outage & intra-hospital transfer.



**Non-Invasive Therapy**  
To cater to wide range of respiratory conditions on the same device.

## Equipped with High Value Offerings



**3 Years Warranty on Turbine**  
Stay confident, while we support you in the longevity of your investment with long-lasting performance and reliability of your ventilator.



**Attractive AMC/CMC Options**  
Attractive maintenance schemes and a wide-spread service network that enables quick resolution to all your service requirements.



**Compatible with Standard Accessories**  
Designed for compatibility with standard consumables and accessories, ensuring ease of operations and minimizing operational costs.



**HFOT & CPAP with Apnea Backup**  
Along with essential modes, V310+ offers HFOT and CPAP modes, maximizing the efficiency of your healthcare setup.



**Made in India**  
Installed 3800+ units in 600+ hospitals in India across 250+ cities & towns.

# Technical Specifications

Parameter Category	Parameter	Specifications
Ventilation General	Patient Type	Adult and Pediatric (>8kg)
Invasive Modes	Volume Control	VC- CMV
		VC- AC
		VC- SIMV
		PRVC- CMV
		PRVC- AC
		PRVC- SIMV
		Pressure Control
	PC- AC	
	PC- SIMV	
	Support	PSV
APRV		
Non-Invasive Modes		PS-CPAP
		NIV- APRV
		HFOT
Basic Information	Screen	10" TFT LCD Touchscreen
	Dimensions	396 x 340 x 255 mm
	Weight	~ 10.3 kg Patient unit ; ~ 25 kg with Trolley
	Battery	Lithium Internal ; 8 hours Backup
	Mains Input	201-240 V AC; 50-60 Hz
	Input Current	< 2.00 A
	Power Consumption	< 150 W

Parameter Category	Parameter	Specifications
Parameters	PEEP	1- 50 cmH <sub>2</sub> O
	PIP	80 cmH <sub>2</sub> O
	RR	1- 80 BPM
	FiO <sub>2</sub>	21- 100 %
	VT	50- 2000 ml
	T <sub>pause</sub>	1-30 %
	P <sub>insp</sub> abv PEEP	1- 80 cmH <sub>2</sub> O
	Flow Trigger	1- 20 LPM
	Ps abv PEEP	0- 60 cmH <sub>2</sub> O
	End Insp.	10- 90 %
	Tapnea	2- 60 s
	Phigh	1- 50 cmH <sub>2</sub> O
	PEEP/P <sub>low</sub>	1- 50 cmH <sub>2</sub> O
	Thigh	0.1- 10 s
	TPEEP/T <sub>low</sub>	0.2- 10 s
	Flow Rate	10- 75 LPM
	I:E	1:10 - 10:1
	Leakage Compensation	100 % Leakage Compensation in NIV Modes
	Ti	0.2 - 10 s
	O <sub>2</sub> Therapy	Continuous flow 10-75 l/min with 21-100 % Oxygen Concentration
	Oxygen Input	46 - 60 psi

# Technical Specifications

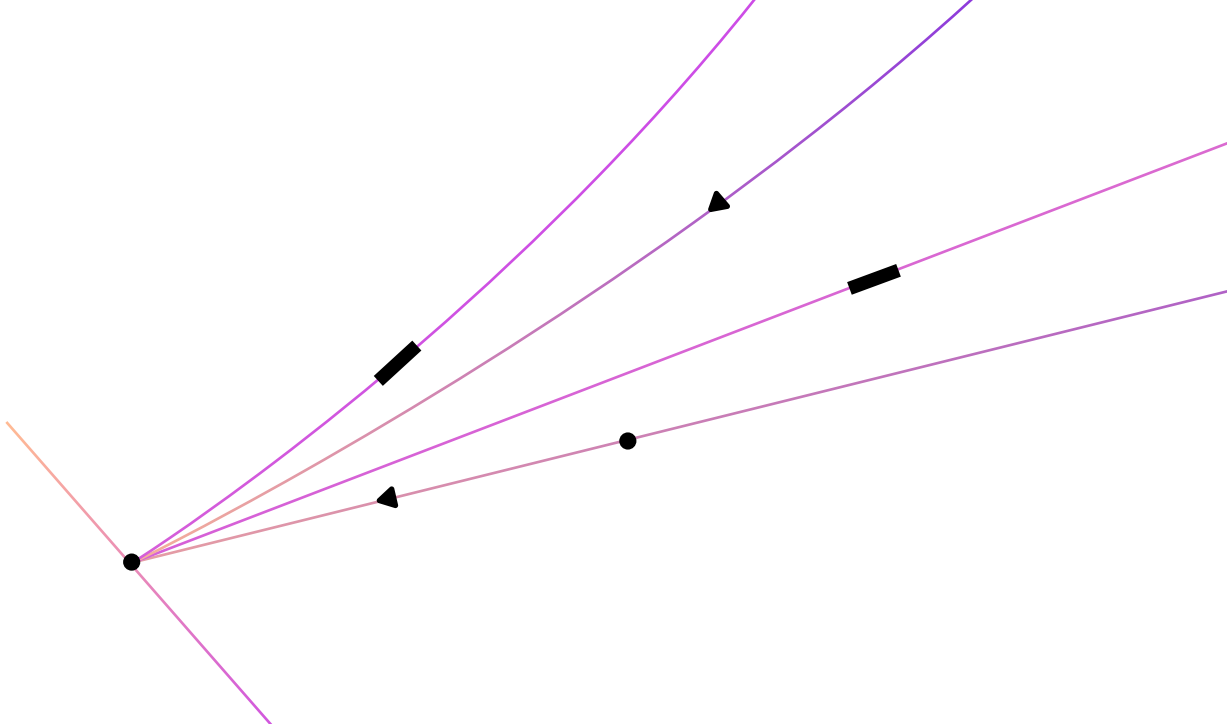
Parameter Category	Range	Specifications
Monitored Parameters	Pressure 0 - 100 cmH <sub>2</sub> O	PIP
		PEEP
		P <sub>plateau</sub>
		P <sub>mean</sub>
	Flow 0 - 160 LPM	M <sub>Ve</sub>
		M <sub>Vi</sub>
		Spont. M <sub>Ve</sub>
	Volume 50 - 2000 ml	V <sub>Ti</sub>
		V <sub>Te</sub>
		Leak Volume
Other Parameters	FiO <sub>2</sub>	
	RR	
	I:E	
	RSBI	
	C <sub>dyn</sub>	
	T <sub>i</sub>	
	T <sub>e</sub>	
	Trends	Trends of last 96 Hours for all Parameters
	Additional Features	Manual Breath
O <sub>2</sub> Boost		
Inspiratory Hold		
Expiratory Hold		

Parameter Category	Range	Specifications
Graphs	Waveforms	Pressure - Time
		Flow - Time
		Volume - Time
	Loops	Pressure - Flow
		Pressure - Volume
		Volume - Flow

Alarms	Description	Status
Physiological & Technical Alarms	PEEP	High/Low
	Respiratory Rate	High/Low
	Tidal Volume	High/Low
	FiO <sub>2</sub>	High/Low
	Inspiratory Pressure	High
	Flow Rate	High/Low
	Patient Disconnection	Yes
	Battery Level	Low/Critically Low
	Turbine Temperature	High/Critically High
Oxygen Supply Failure	Yes	

## NOTE

Noccarc V310+ is exclusively sold through our authorized distributors and dealers. All warranty and schemes are applicable only while purchasing products from our official partners. To ensure the authenticity of your purchase, kindly reach out to us for confirmation if you are buying from our authorized partner. Your trust and satisfaction are our priority.



Transforming Critical Care with Smart Medical Devices

**IEC**

Tested in accordance with  
IEC 60601-1 and IEC 60601-1-2

**ISO**

Tested in accordance with  
ISO 80601-2-12:2020

**CDSCO**

MD-7 File No.  
MFG/MD/2023/89276



Certified  
ISO 13485:2016



Certified  
ICMED 13485



Listed on  
Government E - Marketplace

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Scan to contact us for demo  
and quote.

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