



# V310+



## Turbine-based Technology

Eliminates the need for compressed medical air in ICU set-ups.



## Adult and Pediatric

Accurately delivers Tidal Volume in the range of 50-2000 l/min.



## 10" Touchscreen with Intuitive UI

Thoughtfully 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 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
Invasive Modes	Volume Control	VC- CMV
		VC- AC
		VC- SIMV
		PRVC- CMV
		PRVC- AC
		PRVC- SIMV
	Pressure Control	PC- CMV
		PC- AC
		PC- SIMV
	Support	PSV with Apnea Backup
APRV		
Non-Invasive Modes		PS-CPAP with Apnea Backup
		NIV- APRV
Basic Information	O <sub>2</sub> Therapy	HFOT
	Screen	10" TFT LCD Touchscreen
	Patient Circuit	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 b/min
	FiO <sub>2</sub>	21- 100 %
	VT	50- 2000 ml
	T <sub>pause</sub>	1- 50 cmH <sub>2</sub> O
	P <sub>insp</sub> abv PEEP	1- 80 cmH <sub>2</sub> O
	Flow Trigger	1- 30 l/min
	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
	P <sub>low</sub>	1- 50 cmH <sub>2</sub> O
	Thigh	0.1- 10 s
	T <sub>low</sub>	0- 10 s
	Flow Rate	10- 75 l/min
	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 l/min	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>
		Total 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 - Time
		Flow - Time
		Volume - Time
		Pressure - Flow
		Pressure - Volume
		Volume - Flow

Alarms	Description	Status
All	PEEP	High/Low
	Respiratory Rate	High/Low
	Tidal Volume	High/Low
	FiO <sub>2</sub>	High/Low
	Inspiratory Pressure	High
	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

Quality Focused Innovations

**IEC**

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

**ISO**

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

**CDSCO**

Voluntary Registration  
Pune-MH/M/MD/001745



Certified  
ISO 13485:2016



Certified  
ICMED 13485



Listed on  
Government E - Marketplace

**Noccarc Robotics Pvt. Ltd.**

T-142, MIDC Bhosari, Pune (Maharashtra), India -411026

1800-102-2380 | sales@noccarc.com | www.noccarc.com



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and quote.

NR-QR-PEG-01-18.4/04/25-08-2023