



Designed to handle
critical care with ease.

Introduction

The legacy of Air Liquide Medical Systems in India has been built on two pillars since its origin – innovative, high-performance products and exemplary customer service.



Patients in the intensive care unit require continuous support from their physicians, hospital staff and medical devices. We have designed an innovative ventilator to simplify the hospital team's experience with their device, so they can spend more time caring for their patients.



years of service to
health professionals
and patients

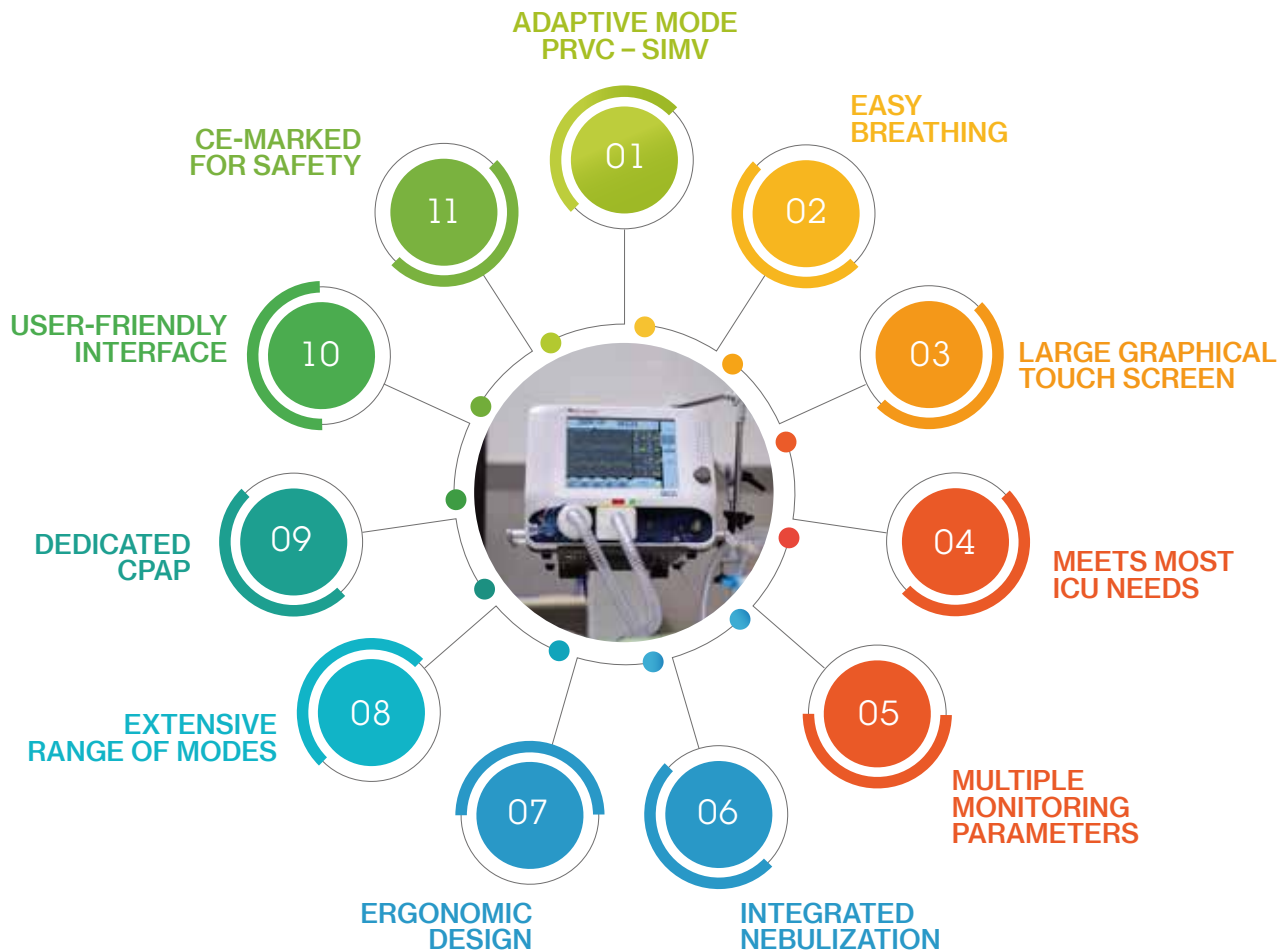


Our CE-marked, life-saving ventilator has been manufactured in India, to serve the needs of hospitals by providing high value while keeping affordability in mind.



Committed to your performance

VEGA is an invaluable product among our line of critical care ventilators. It is a **user-friendly ventilator**, developed for clinicians to work with ease throughout the clinical pathway. Clinicians can treat their patients with extensive ventilation modes, oxygen therapy, in-built nebulization, and monitor critical parameters with VEGA. The device offers **patient comfort** by delivering precise breaths to critically-ill patients ranging from adult to child (>10 kg)). The large screen displays weaning parameters, trends, loops and curves, which allow the ICU teams to make **informed decisions**.



Delivers an accurate FiO₂ range. It helps to treat patients with hypoxemic respiratory failure.



10.4" graphical touch screen offers better visibility, and allows to set parameters easily and quickly.



The adaptive mode allows mandatory breaths, which are synchronized with the patient's spontaneous efforts at a preset rate.

Dedicated to improve ventilation

When a patient is ventilated, ensuring their care and comfort is essential. VEGA supports the intensive care unit team, with an extensive range of invasive and non-invasive ventilation modes. It enables clinicians to set required parameters, delivering ventilation therapies quickly and easily.



Non-Invasive Ventilation

Non-invasive ventilation has become an integral tool in the management of acute and chronic respiratory failure in a critical care unit. The usage of NIV-PSV and CPAP modes, optimize patient comfort with leak compensation.

Invasive Ventilation

The primary reason for intubating critically-ill patients is to improve the distribution of air in the lungs. Our device offers care to patients requiring controlled, spontaneous and adaptive modes.

Enabling Safety Ventilation

Our devices are European CE-marked. They have undergone rigorous testing, prior to use in intensive care units (ICUs). VEGA comes with the CPX care compressor, which provides high-quality compressed air. The compressor is compact, vibration-free and can be operated right in the ICU.



VEGA with compressor



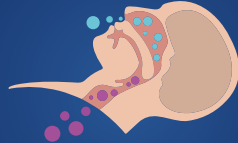
8-parameter screen

Committed to innovation

High Flow Oxygen Therapy



Improved oxygenation by FiO₂ control



Eliminates anatomic dead space



Improves patient comfort



Reduces infection, facilitates secretion clearance through humidification

Easy Breathing

The highest priority at the start of mechanical ventilation is providing effective oxygenation. The VEGA ventilator provides your team with the value of High-Flow Oxygen Therapy that can be used for patients with respiratory failure resulting from hypoxemia. It delivers oxygen at accurate FiO₂ range with the desired flow rate.

Improves oxygen therapy



Improves patient comfort

PRVC-SIMV, an Adaptive Mode of Ventilation



01

The sedated patient leaves the operating theatre



02

The ventilation is controlled depending on his condition



03

The patient wakes up and breathes spontaneously



04

Patient is extubated

This adaptive mode of ventilation operates as pressure controlled and spontaneous breathing. The mode ensures guaranteed volume for your patient while regulating the pressure levels. During spontaneous breathing, the required pressure support is provided. The clinician can utilize this mode to wean the patient while monitoring essential parameters.

Committed to serve you better

Our experienced team of service engineers are always available on call to solve your queries. Our dedicated service hotline has a simply designed, rapid service support process, so you can quickly return to caring for your patient.

Avail user training from our experienced team to work with ease at your intensive care unit. Our ventilator software has been fitted with an in-built user guide to help answer your frequent queries. Maintenance teams can easily troubleshoot with the guide,

to reduce down-time.

Our comprehensive user manual will allow us to rapidly identify and provide precise solutions. Preventive maintenance schedules have been set up to make sure your devices are running at their best, at all times.

Reliable sensor technology

Easily removable expiratory valve

Improved cabinet design

Effortless cleaning and disinfection

Designed for high performance



Rapid Service Support



Dedicated National Hotline



Periodic Maintenance

Technical Specifications



Patient Category	Adult and Child (from 10 kg)
Standards	ISO 13485, CE 0459
Physical Characteristics	
Screen Size	10.4" Graphical Touch Screen
Ventilator Dimensions	373 x 439 x 300 (W x D x H) mm
Ventilator Weight	20 kg
Battery Backup	1 hour
Ventilation Modes	
Assisted Control Modes	VCV, PCV, SIMV, P-SIMV, PRVC
Spontaneous Modes	CPAP, PSV, PSV-NIV
Adaptive Modes	PRVC-SIMV
Set Parameters	
Vital parameters (1-60 cmH ₂ O)	Vt (50-2000 ml), RR (1-60 bpm), PI (1-60 cmH ₂ O), PS (1-35 cmH ₂ O)
Safety ventilation	Apnea ventilation, RRmini
FiO ₂ range	21 to 100%
Special Features	HFOT
Monitoring Parameters	
Volumes	MVe, Vte, Vti, Vpeak I, Vpeak E
Pressures	Ppeak, PEEP, Pplat, Pmean
Respiratory rates	RR
Loops and Waveforms Presentation	Real-time waveforms: Pressure, Volume, Flow Loops: Pressure/flow, Volume/flow, Pressure/volume
Trends	Stored trend values for up to 72 hours of ventilation

Contact

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