

# ICV

Intensive Care Ventilator

## Intensive Care Ventilator

The Gradian ICV is an all-in-one ventilator for intensive and critical care, as well as transport and intermediate care. The ICV is designed to deliver care to infant, pediatric, and adult patients in any setting.



### **VERSATILE USE**

With extensive modes and monitoring parameters, in-built turbine, battery backup, and compact form factor, the ICV is easy to use in any location within a hospital, or for transport within or outside the facility.

### **ADVANCED VENTILATION MODES**

The ICV comes standard with a range of invasive and non-invasive ventilation modes to fit the clinical needs of infant, pediatric, and adult patients.

### **SOPHISTICATED MONITORING**

Combining extensive monitoring parameters and respiratory diagnostics with dedicated display pages, the ICV can measure, display, store, and export the information needed for precise, high-quality care.

### **FULLY PORTABLE**

The ICV's trolley is designed to easily hold or move the ventilator and accessories, including an oxygen cylinder bracket, humidifier, and circuit support arm.

### **SMART CPR MODE**

The innovative CPR mode gives step-by-step audible and visual instructions for performing CPR and breathing as per AHA and ERC's latest guidelines.

# ICV Product Specifications

## VENTILATION PARAMETERS

Tidal volume	2 - 2000 mL <i>Additional accessories required for infant use</i>
Insp. pressure	1 - 90 cmH <sub>2</sub> O
Maximum flow	> 180 L/min
Resp. rate	0 - 150 bpm
Insp. time	0.2 - 10 sec
Insp. pause	0% - 60%
FiO <sub>2</sub>	21% - 100%

## VENTILATION MODES

Modes for all patient types	PCV, P-A/C, P-SIMV, CPAP/PSV, CPR, PRVC-SIMV, APRV, BIPPV, HFNC
Adult/Peds patients only	IPPV, V-A/C, V-SIMV

## MONITORING

Weaning	PO.1, RSBI, WOB
Real-time waveforms	Pressure, Volume, Flow, EtCO <sub>2</sub>
Loops	P-V, F-V, P-F, EtCO <sub>2</sub> -V
Trends	1, 15, 30, or 60 minutes
Tools	Suction, Nebulization, Dynamic lung, P-V tool, Lung recruitment
Event log	Up to 5000 events
Utilities	Automated self-checks, Leak and compliance compensation

## ACCESSORIES

Workstation	Trolley, circuit support arm, active humidifier, cylinder support
Ventilation Accessories	Reusable accessories, consumables starter pack, EtCO <sub>2</sub> module

## ELECTRICAL AND GAS SUPPLIES

Input voltage	100 - 240 VAC, 50/60 Hz
Power	≤ 140 W
Battery	Internal, max 6 hr backup
High pressure oxygen input	DISS, 280 - 600 kPa (40.6 - 87 psi)
Low pressure oxygen input	Quick connect, ≤ 15 L/min, ≤ 100 kPa (14 psi)
Air supply	Integrated turbine, filtered
Protection	IP43

## PHYSICAL DIMENSIONS

Weight	6.2 kg (13.7 lb) without trolley
Display	10.4 in TFT color touchscreen

## ENVIRONMENTAL

Temperature	-10°C - 50°C (Operation) -20°C - 60°C (Storage)
Humidity	10 - 95% RH
Pressure	50 kPa - 110 kPa atmospheric
Interfaces	VGA, USB, RS232, Ethernet, CO <sub>2</sub>

## Guaranteed with Every Purchase

### COMPREHENSIVE WARRANTY

- Annual preventive maintenance checks
- Timely corrective maintenance with on-demand access to technical experts
- Local storage of spare parts for fast and easy access

### HIGH-QUALITY TRAINING

- In-person and online formats, covering real-world clinical scenarios like obstetric emergencies with high-fidelity simulation
- Taught by leading physicians, and is accredited in several countries

