ICV
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

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tidal volume</td>
<td>2 - 2000 mL Additional accessories required for infant use</td>
</tr>
<tr>
<td>Insp. pressure</td>
<td>1 - 90 cmH₂O</td>
</tr>
<tr>
<td>Maximum flow</td>
<td>&gt; 180 L/min</td>
</tr>
<tr>
<td>Resp. rate</td>
<td>0 - 150 bpm</td>
</tr>
<tr>
<td>Insp. time</td>
<td>0.2 - 10 sec</td>
</tr>
<tr>
<td>Insp. pause</td>
<td>0% - 60%</td>
</tr>
<tr>
<td>FiO₂</td>
<td>21% - 100%</td>
</tr>
</tbody>
</table>

### VENTILATION MODES

<table>
<thead>
<tr>
<th>Mode Type</th>
<th>Parameters</th>
</tr>
</thead>
<tbody>
<tr>
<td>PCV, P-A/C, P-SIMV, CPAP/PSV, CPR, PRVC-SIMV, APRV, BIPPV, HFNC</td>
<td>Modes for all patient types</td>
</tr>
<tr>
<td>IPPV, V-A/C, V-SIMV</td>
<td>Adult/Peds patients only</td>
</tr>
</tbody>
</table>

### ACCESSORIES

- **Workstation**: Trolley, circuit support arm, active humidifier, cylinder support
- **Ventilation Accessories**: Reusable accessories, consumables starter pack, EtCO₂ module

### ELECTRICAL AND GAS SUPPLIES

- **Input voltage**: 100 - 240 VAC, 50/60 Hz
- **Power**: ≤ 140 W
- **Battery**: Internal, max 6 hr backup
- **DISS, 280 - 600 kPa (40.6 - 87 psi)**
- **Quick connect, ≤ 15 L/min, ≤ 100 kPa (14 psi)**
- **Integrated turbine, filtered**

### 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, CO₂

### 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

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