Glostavent® Portable Anaesthesia Systems

self-contained, robust and reliable for the toughest places on earth

Reaching regions other anaesthesia systems do not
Saving lives in the most hostile environments

For disaster and emergency response
No need for compressed oxygen

Reliable solutions for unpredictable situations
Function when there’s no electricity

Proven in war zones, earthquakes, hurricanes and typhoons
Portable Anaesthesia Systems

**Best for first response**
- A first choice for humanitarian agencies for use in disaster situations
- With a two minute set up time, ideal for use in some of the most remote and resource limited locations in the world
- Suitable for hospitals with limited resources, or in any field or outreach locations
- Lightweight enough to be carried as aircraft hand luggage

**Economical**
- Require no electrical power and can be used without compressed gases
- They require no expensive consumables and minimal maintenance

**Reliable and robust**
- All three systems include Diamedica’s low resistance vaporiser, enabling seamless transition from continuous flow to drawover anaesthesia
- Contained in a shockproof and waterproof Peli case

**Quality**
- Engineered and manufactured in the UK, it’s robust and built to last
- CE Certified by an internationally recognised notified body

**Training and support**
- Full training is available in use and maintenance
- Free technical support is available for the lifetime of the machine
- Each unit is supplied with a comprehensive user manual and training demonstration videos

**Patient Circuit**
- Each Glostavent® Portable is supplied with a complete set of patient circuits for both adult and paediatric use, including all tubing and valves required for anaesthesia
- Ayres T piece included

**Vaporiser**
- Seamless transition from continuous flow to drawover
- Thermally stable and functions accurately in hot or humid theatre conditions
- Calibrated for Halothane and Isoflurane or Sevoflurane
- Minimal maintenance and easy to clean

**Ventilation**
- Adult and paediatric self inflating bags for assisted ventilation
- Adult and paediatric masks supplied
- Compatible with Helix Portable Ventilators for mechanical ventilation

**Scavenger**
- As standard to remove exhaled gases

**PEEP**
- PEEP valve included

**Oxygen supply**
- Oxygen supplementation port if an oxygen source is available
- Oxygen regulator included for use with cylinders

**Pressurised oxygen supplies can be scarce, expensive or non-existent**
## Specifications

<table>
<thead>
<tr>
<th></th>
<th>DPA01™</th>
<th>DPA02™</th>
<th>DPA03™</th>
</tr>
</thead>
<tbody>
<tr>
<td>Peli shockproof and waterproof case</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td><strong>Vaporiser</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Low resistance</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Suitable for drawover and continuous flow</td>
<td>Isoflurane/Halothane or Sevoflurane 150ml 0 - 5% (0-8% for Sevoflurane) Yes 1 vaporiser Isoflurane/Halothane included as standard</td>
<td>Isoflurane/Halothane or Sevoflurane 150ml 0 - 5% (0-8% for Sevoflurane) Yes 1 vaporiser Isoflurane/Halothane included as standard</td>
<td>Isoflurane/Halothane or Sevoflurane 150ml 0 - 5% (0-8% for Sevoflurane) Yes 2 included as standard. Isoflurane/Halothane and Sevoflurane</td>
</tr>
<tr>
<td>Capacity</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Agent percentage</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Stainless steel filter funnel</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Vaporiser/s included as standard</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td><strong>Diamedica Patient Valve</strong></td>
<td>No. Standard non re-breathing valve at the patient end of the breathing circuit</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td><strong>Manual ventilation</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Self inflating bag, adult/paediatric</td>
<td>Self inflating bag, adult/paediatric</td>
<td>Self inflating bag, adult/paediatric</td>
<td></td>
</tr>
<tr>
<td><strong>Patient Circuits</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Adult and paediatric circuits with masks</td>
<td>Yes</td>
<td>Yes, autoclavable</td>
<td>Yes, autoclavable</td>
</tr>
<tr>
<td>Ayres T piece</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td><strong>Supplemental Oxygen</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Oxygen regulator and flowmeter for cylinders 0.5 - 10lpm</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Supplementation tube for any available oxygen source</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td><strong>Scavenger tube</strong></td>
<td>No</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td><strong>PEEP 0-20cm H₂O</strong></td>
<td>Optional</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Weight packed in Peli case</td>
<td>9.5kg</td>
<td>9.8kg</td>
<td>14kg</td>
</tr>
<tr>
<td><strong>Dimensions</strong></td>
<td>47 x 35 x 17cm</td>
<td>47 x 35 x 17cm</td>
<td>48 x 39 x 19cm</td>
</tr>
</tbody>
</table>

## Helix Ventilator

Use the Portable Helix ventilator in conjunction with Glostavent® Portables for mechanical ventilation. Lightweight for portability and contained in an optional Peli shockproof and waterproof case, this is an ideal first response ventilator available in Adult/Paediatric or Paediatric/Neonate versions.

Pneumatically driven, it will use drive gas from any source: oxygen concentrator, cylinder or air compressor. Oxygen drive gas can be returned to the patient circuit where required, so there is zero gas wastage.

The Helix Portable Ventilator has a flexible power supply for recharge and long internal battery backup. It has very low running costs and minimal maintenance is required.