

A detailed view of the Glostavent portable anaesthesia system, showing a control panel with a digital display and various buttons, and three stainless steel gas cylinders mounted on a frame. The system is designed for portability and use in limited resource settings.

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

A mobile clinic solution for outreach or emergency use

Glostavent® Portable Anaesthesia systems are completely self-contained units designed for inhalational anaesthesia

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

- No electrical power required and can be used without compressed gases
- Requires no expensive consumables
- Minimal maintenance

Reliable and robust

- All 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

Portable Anaesthesia Systems

O2 Flow Meter

Vital Signs Monitor

- Intuitive user interface, with large 5" Colour TFT LCD screen for accurate readability of all parameters
- Accurate oximetry adapted for adults and neonates, providing continuous and accurate patient monitoring
- Battery for 6h continuous monitoring

Patient Pressure Gauge

Vaporisers

- The unique 'vaporiser select technology' permits the safe delivery of a gaseous induction using Sevoflurane before switching to Isoflurane to maintain the anaesthetised state
- Safe and precise changeover between vaporisers, with no possibility of both units in use simultaneously
- Low resistance vaporisers enable seamless transition from continuous flow to draw over
- Thermally stable and functions accurately even in hot or humid theatre conditions
- Calibrated for Halothane and Isoflurane and Sevoflurane (select 2)
- Minimal maintenance and easy to clean

Patient Circuit

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

Peli shockproof and waterproof case

- Sturdy case holds anaesthesia system safely

Oxygen supply

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

Scavenger

- As standard to remove exhaled gases

PEEP

- PEEP valve included

Ventilation

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



Shown here:
DPA-DUO™

See over for
technical information

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

Portable Anaesthesia Systems



DPA02™

DPA-DUO™

Specifications	DPA02™	DPA-DUO™
Peli shockproof & waterproof case	Yes	Yes
Patient pressure display		0-60cm H ₂ O
Flow meter		0-10 l/pm
Vital signs monitor		Option 1 SpO ₂ + NIBP Parameters: SpO ₂ , Pulse Rate, Perfusion Index, Photoplethysmogram, Systolic blood pressure, Diastolic blood pressure, Mean Arterial Pressure Option 2 SpO ₂ + EtCO ₂ Parameters: SpO ₂ , Pulse Rate, Perfusion Index, Photoplethysmogram, End-tidal CO ₂ , Inspired CO ₂ , Respiration Rate, Capnogram
Vaporiser <ul style="list-style-type: none"> Low resistance Suitable for drawover and continuous flow Anaesthetic agent Capacity Agent percentage Stainless steel filler funnel Vaporiser/s included as standard 	Yes Yes Isoflurane/Halothane (dual agent) or Sevoflurane (select 1) 150ml 0 - 5% (0-8% for Sevoflurane) Yes 1 included as standard	Yes Yes Isoflurane or Halothane or Sevoflurane (select 2) 150ml 0 - 5% (0-8% for Sevoflurane) Yes 2 included as standard
Diamedica Patient Valve	Yes	Yes
Manual ventilation	Self inflating bag, adult/paediatric	Self inflating bag, adult/paediatric
Patient Circuits <ul style="list-style-type: none"> Adult and paediatric circuits with masks Ayres T piece 	Yes, autoclavable Yes	Yes, autoclavable Yes
Supplemental Oxygen <ul style="list-style-type: none"> Oxygen regulator and flowmeter for cylinders 0.5 - 15lpm Supplementation tube for any available oxygen source 	Yes Yes	Yes Yes
Scavenger tube	Yes	Yes
PEEP 0-20cm H ₂ O	Yes	Yes
Weight packed in Peli case	9.8kg	14kg
Dimensions	47 x 35 x 17cm	53 x 32 x 33cm

Helix Ventilator - supplied separately

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/Infant 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.



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