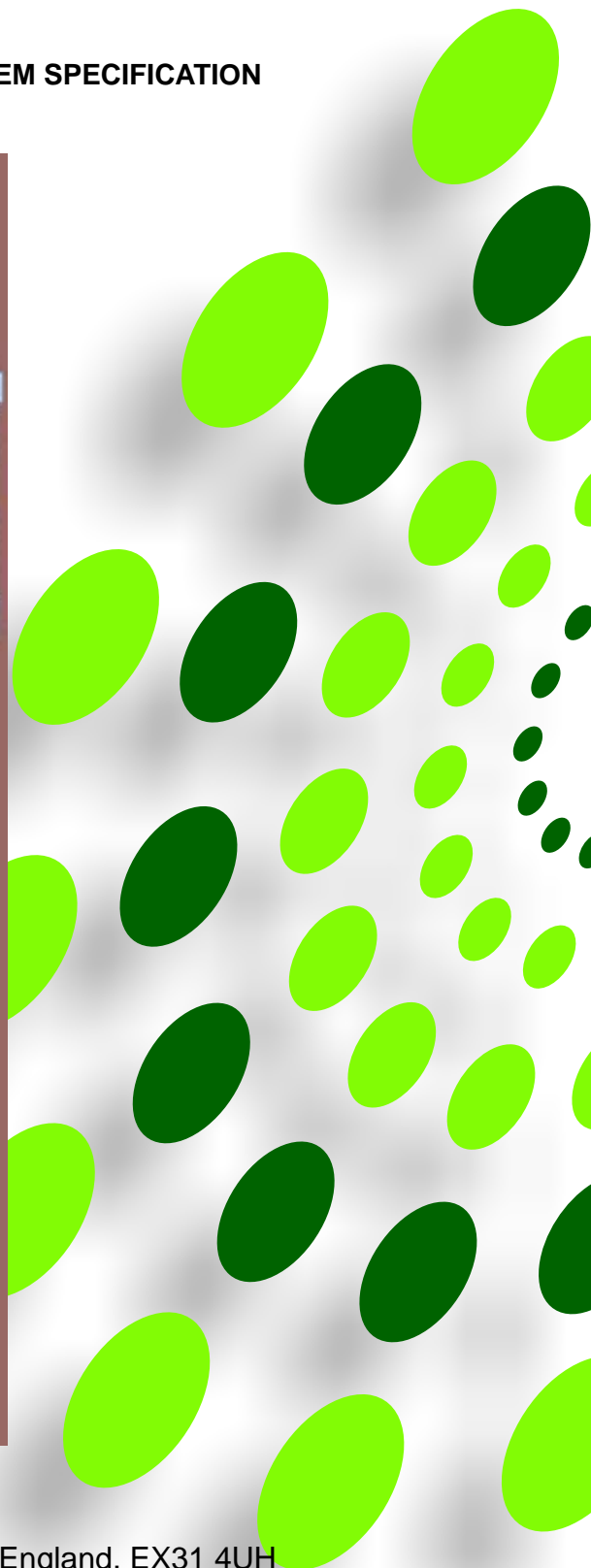




glostavent[®] tacitus

GLOSTAVENT[®] TACITUS ANAESTHESIA SYSTEM SPECIFICATION





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WORK STATION

- Unpacked Height 1590mm Width 610mm
 Depth 530mm Weight 130kg
- Boxed for transport Height 1580mm Width 520mm
 Depth 760mm Weight 170kg
- Autoclavable drugs tray
- Recessed instrument tray
- Reserve oxygen cylinder
- 1.5 metre whip hose for alternative oxygen supply (default Schrader valve)
- Active gas scavenger for removing exhaled gas from theatre (tubing supplied)

The Glostavent[®] workstation is made from anodised aluminium and is therefore rust-proof. It is mounted on four anti-static castors, two of which are fitted with brakes. It provides a platform for all other elements of the Glostavent[®] Anaesthesia System.



DIAMEDICA PNEUMATIC VENTILATOR

- Entirely pneumatically driven and controlled
 - Normally driven by gas from oxygen concentrator
 - Gas use 1/5th patient's minute volume. A 600 litre cylinder will provide approx 10 hours running time in the event of electrical power failure
- | | |
|-------------------------------|----------------------|
| Respiratory rate: | up to 60 breaths/min |
| Tidal volume: | 0-1300 ml |
| Inspiratory/expiratory ratio: | 1:2 |
| Alarms: | Low pressure |
| Inspiratory pressure range: | 8-50 cm water |



The ventilator is time cycled. It may be configured as a pressure or volume generator.

VAPORISER

- Low resistance vaporiser suitable for drawover anaesthesia
- Suitable for continuous flow anaesthesia
- Stainless steel construction
- Agents halothane and isoflurane
- Scale 0 to 5%
- Capacity 150ml
- Weight 2.6Kg empty
- Maintenance none unless thymol from halothane builds up. Can be cleared using fresh halothane in a few seconds



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BREATHING CIRCUIT

- The breathing circuit has been designed to function in both draw over and continuous flow mode.
- Conversion from draw over to continuous flow mode occurs automatically as the gas flow is increased to exceed the patient's minute volume.
- There is a self-inflating bag on the inspiratory limb
- There is an autoclavable valve on the expiratory limb leading to the scavenging system.
- The Glostavent[®] can also be used with any of the commonly used breathing systems.



THE OXYGEN CONCENTRATOR

- Up to 8 litres per minute oxygen at approx 95%
- Up to 8 litres per minute air
- Audible alarm on failure
- Low oxygen light
- Hours meter
- HEPA filters on both oxygen and air supply lines
- Power requirement 430 Watts
- Essential maintenance, regular washing of the external filter



U.P.S. (Uninterruptible Power Supply)

- 1200VA Double on-line UPS. Supply is not connected directly to source
- Wide input voltage range 95-280Volts
- Frequency range DC-60Hz
- Approximately ten minutes back-up power
- Alarms on mains power failure, becomes insistent alarm as battery runs low
- Plug supplied to suit local standard

The UPS provides a reserve supply of electricity for approximately 10 minutes. It also functions as a voltage and frequency regulator. If mains electricity is not restored at the end of ten minutes the concentrator stops working and is turned off. The reserve oxygen cylinder then automatically takes over the supply of oxygen for the patient and the source of pressure to drive the ventilator. It requires no intervention by the anaesthetist.



Reserve oxygen cylinder

A reserve oxygen cylinder is supplied unfilled, with either a bull nose or pin index regulator, as specified.