Glostavent®
GLOSTAVENT® HELIX ANAESTHESIA SYSTEM
Daily Set Up & Test Procedure
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Switch on mains power

The UPS will go into ‘Bypass’ mode a few seconds after being switched on. Press the right hand button and hold until the machine beeps. Wait a few seconds until the screen shows ‘Line’ mode. The UPS is now ready. To switch it off push the second button from the right and it will go back to ‘Bypass’ mode and turn off when unplugged.

Vaporiser: Confirm lever moves freely (if the lever is stiff the vaporiser should be cleaned)

Confirm vaporiser contains agent (tapping the side of the vaporiser will cause the liquid level to move making it easier to see)
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Switch on oxygen concentrator, alarm sounds for five seconds and then stops. Yellow light indicates oxygen concentration has not yet reached 85%. It should go out after approximately ten minutes.

Test oxygen flow meter over the full range. Leave the flow at 2 litres per minute as the concentrator does not like trying to produce oxygen when it is not being used. Test air flow meter over the full range. Leave the flow meter switched off.

If oxygen cylinder is fitted, turn on oxygen cylinder

Confirm contents of cylinder

Test oxygen flow meter over full range. Switch off the flow meter, turn cylinder off.
Daily Set Up & Test Procedure - Ventilator

Close down the bellows to zero

Attach a one litre reservoir bag to circuit.

Set the tidal volume to 600ml

Squeeze the self-inflating bag to demonstrate expansion of test lung (A) and simultaneous movements of the reservoir bag on the panel (B).

Adjust tidal volume lock as required

Set rate to 10 breaths per minute.

Switch on the ventilator, confirm it works.
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Disconnect test lung.

Confirm low pressure disconnect alarm flashes followed 20 seconds later by continuous red light and audible alarm.

Reconnect test lung and wait for alarm to stop.