

Trouble Shooting for DeltaWave

Oxygen

- Is the connector plugged into the oxygen source
- Is there oxygen in the cylinder/is the cylinder open.
- Piped gas - Oxygen alarm going off but oxygen switched off? Make sure no machines are still plugged into O2 wall sockets.
- Concentrator – ensure flowmeter is fully open.
- Cylinder – washer in place?

Vaporiser

Leaking:

- Ensure pin is screwed in tightly when key in place for filling vaporiser.
- Gas monitoring lines in place? Are they attached/closed off?
- Any holes in circuit/bag/sampling line?

How to Leak Test

Set a flow of oxygen of 5L min and with the vaporiser turned off, temporarily occlude the common gas outlet. There should be no leak from any part of the vaporiser and the flowmeter bobbin (if present) should dip. You can apply soapy liquid to the joints along the bar, bubbles will blow if there is a leak present.

Problem	Solution
Leak Suspected	Listen for escaping oxygen at joints.
	Turn on oxygen and use soapy water solution around connections to locate leak.
	Tighten connections.
	Ensure O2 flush valve is operating correctly
Insufficient or no Oxygen through Flowmeter	Check oxygen supply and pressure
	Check Flowmeter needle valve operation
Desired depth of anaesthesia not maintained	Check anaesthetic agent level
	Check vaporiser connections and filler cap
	Check for leaks within the system
	Check flow rate
	Return vaporiser for servicing if malfunction is suspected