

FAQ for Merlin

Q. How heavy is the Merlin?

A. 17kg

Q. How big is the Merlin?

A. 45 x 20x 34cm

Q. Does Merlin need a pressurised gas supply?

A. No. Merlin uses electricity to drive the chamber.

Q. What patient range does Merlin Support?

A. 150g to 80kg

Q. What modes does Merlin support?

A. Merlin supports volume cycle, pressure cycle, and time cycle modes.

Q. What happens if there is a power cut?

A. All valves will fail open. The Patient can then breathe spontaneously on the ventilator in the normal way.

Q. What is the maximum and minimum flow rates that Merlin can deliver?

A. Max 25.0L per min, Min 0.1L per min.

Q. Does Merlin have alarms?

A. Yes. The Merlin will alarm because:

- 1) Inspiratory pressure not reached (volume cycling)
- 2) Max pressure exceeded (volume cycling)

3) Target pressure not reached (pressure cycling)

4) Gas inlet blocked (all modes)

Q. How often should the Merlin be serviced?

A. We recommend annually servicing a Merlin, irrespective of age and amount of time used.

Q. How do I arrange a service?

A. We will call you to arrange the service on the anniversary of the sale or after a year from the last service. We will then send you a loan unit, and collect your unit. The service usually takes two working days. We will then send your unit back and collect our loan.

You may of course call us at any time to arrange a service outside of this schedule.

Q. How do I clean or disinfect Merlin?

A. Follow the 'Merlin Cleaning Procedure' document found on the Merlin page on the website. There is also a video showing this procedure.

Q. How do I test the Merlin for leaks?

A. Follow the 'Merlin Leak Test' document found on the Merlin page on the website. There is also a video showing this procedure.

Q. Can I use the Merlin on a Circle System?

A. Yes. Merlin can be used with rebreathing and non-rebreathing systems.

Q. How do I get training for my Merlin?

A. There are a number of training documents on the Merlin page on the website. Training sessions can be arranged at your Practice. Training sessions last three hours and cost £250.00 per session.

Q. Can I use Merlin without an anaesthetic machine?

A. Yes. Merlin can take any gas into the chamber, so Merlin can use room air taken into the gas port or any other introduced gas.

Q. Can Merlin be used with varying FiO₂?

A. Merlin cannot change the FiO₂ but the single intake port allows air to be easily enriched with Oxygen or blended externally and fed into Merlin.