

Service Note #26: Design Updates to the Universal Anaesthesia Machine (UAM)

In late-2018, the UAM underwent a series of design updates based on feedback from Gradian customers and manufacturing efficiencies. As a result, it is possible you will observe two designs of the UAM in Gradian's markets. We refer to them as **Rev A (our first model)** and **Rev B (our second model)**.

It is important to note that although the order and exact location of select components depends on the configuration features, the functionality of both Rev A and Rev B are the same.





Summary of Updates

- Breathing Block I The Rev A breathing block is integrated into the body of the machine while the Rev B breathing block attaches to the side of the UAM, making it fully removable and autoclavable. In Rev B, the water trap has been eliminated. As the breathing block has been relocated, the worksurface has been expanded and simplified.
- Oxygen Sensor I In Rev B, the oxygen sensor has been moved to the rear of the machine to protect it from damage due to accidental dripping of the volatile agent while refilling the vaporizer
- Worksurface I The Rev B worksurface has been simplified to increase the available space for necessary surgical and anaesthesia tools. It now now only contains the bellows, which still functions identically to the Rev A UAM.
- Fenton Balloon I Unlike the Rev A Fenton Balloon casing, which is translucent, the Rev B Fenton Balloon is encased in solid metal housing. This better protects the Fenton Balloon from risks of tears and increases its overall lifespan.
- One-way Valves I Similar to the Fenton Balloon, the Rev B one-way valves were moved to the interior of the breathing block. While they're no longer visible on the breathing block, they function identically to the Rev A one-way valves.

For questions or concerns related to service and repairs please contact us at: <u>service@gradianhealth.org</u> or at our WhatsApp number: +1 929-400-3796.

For general comments or concerns, please contact info@gradianhealth.org.