



INHALATION ANESTHESIA SYSTEMS

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## Anesthesia System Components Glossary

**Anesthesia Machine** - This term includes the frame, yoke(s), flowmeter(s), oxygen flush assembly and all hoses and connections.

**Regulator(s)** - The regulator(s) are responsible for reducing the supply tank pressure to specified levels.

**Oxygen Flush Assembly** - The flush assembly is responsible for purging all waste gas from the induction chamber.

**Vaporizer** - The vaporizer is responsible for changing the liquid agent to a vapor which the patient can inhale. It then delivers the vapor into the moving stream of oxygen in controllable amounts.

**Reconditioned Vaporizer** - In human medicine, when a vaporizer is properly cleaned and calibrated for its specific agent, it is ready for clinical use. In veterinary use, it could simply refer to a "used" vaporizer or a vaporizer which has been re-labeled for an agent other than the agent for which it was designed. It is recommended that proper questions be asked to determine each seller's definition of the term.



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## Service Definitions

**Service** - A term reserved for any unscheduled work and any repairs directly related to a specific problem. "Service" and "Preventative Maintenance" are occasionally used interchangeably. "Service" is done on an "as needed" basis. "Preventative Maintenance" is regularly scheduled.

**Preventative Maintenance Service (P/M)** - Annual inspection includes checking all components for proper operation and potential problems, identifying possible future breakdowns, and replacing rubber or other disposable goods as needed.

**Calibration** - Calibration indicates a vaporizer has been set to standard measuring graduations, under a variety of conditions. Internal components are cleaned of foreign matter and contaminants, new gaskets, seals and wicks are installed. The calibration process takes place while operating under different flow rates, temperatures and time frames.

**Efficacy Test** - A meter reading of vaporizer output determines whether or not the vaporizer output matches the dial reading at both high and low oxygen flows, within manufacturer's specification.

**Certification** - Documentation that all components have been inspected and perform within manufacturer's specifications; guarantees that the components are working properly and should continue to perform as expected for another year.