Respirometer Cleaning and Sterilization Guidelines (Anesthesia Associates)

When not in use Respirometers should be kept in the case provided. Regular cleaning, as described below will prolong the life of your Respirometer.

During Use
After prolonged periods in circuit the airways and moving parts in the air-stream within the Respirometer may become coated with condensed water and other contamination. The immediate remedy is to substitute a clean, dry Respirometer in working order. If this is not possible, gently shake the Respirometer free of any liquid.

After Use
In order to keep the Respirometer in good working condition, purge it of anaesthetic agents and condensed moisture with sterile air or oxygen as soon as possible after use. (Flow rates should be limited so as not to exceed 60 LPM, or 30 LPM for the Infanta model).

Solid matter present internally should be left in situ for skilled examination and instrument service before re-use.

Sterilization
Wright/Haloscale Respirometers will not withstand autoclaving. If absolutely necessary, or if autoclaved inadvertently, they should be returned to the supplier or manufacturer for repair and reconstruction.

Ethylene Oxide Sterilization
Wright/Haloscale Respirometers can be sterilized using ethylene oxide e.g. 100% ethylene oxide for 155 minutes at 55°C (131°F). After sterilization, and prior to placing the unit back into service, the ethylene oxide residue must be removed by exposure to room air at ambient temperature and humidity for 24 hours. It is recommended that a sterilization pouch be used.

WARNING

- **NEVER probe the interior of a Respirometer.**
- **NEVER attempt to dry out or dislodge contamination in the airways or turbine using compressed air.**
- **NEVER apply liquid solvents.**
- **NEVER engrave the case of a Wright/Haloscale Respirometer. The high frequency vibrations that are set up will damage the mechanism.**

Regular inspection
Properly treated, the Respirometer may not need servicing for long periods; however, regular checks need to be made to ensure that it continues to function correctly. If dropped, the Respirometer should be checked immediately. If in doubt, the instrument should be returned to the manufacturer or approved service agent for a calibration check.