

CLEANING INSTRUCTIONS

The following instructions are specific to our Conventional, Integrated, Flexi Tip and Modular laryngoscope blades and Standard, Xenon and Hyper LED laryngoscope handles. These instructions are intended for use only by authorized personnel with the required knowledge and training.

WARNINGS:

1. Follow instructions and warnings as issued by the manufacturer of any decontaminants, disinfectants and cleaning agents used. Wherever possible avoid use of mineral acids and harsh, abrasive agents.
2. Do not use chemical sterilants with caustic ingredients such as - surgical scrub solution, povidone-iodine solution, bleach, peroxide solution, virox 3 and sporox. Do not use garment or surface disinfectants.
3. Do not autoclave with sub standard stainless steel surgical instrument as this may cause a reaction and lead to rust or discolorisation.
4. Ultrasonic cleaning is not permitted, as this will cause damage to the fiber optic light guide and lamp.
5. Do not flash autoclave blade or handle, this will invalidate our warranty .
6. No part of the process shall exceed 140° C temperature.

Note: When reprocessing medical devices, handle with care, wearing protective clothing and face visors or goggles. Batteries must be removed from the handle prior to reprocessing.

LIMITATIONS ON REPROCESSING: Repeated autoclaving, especially for extended periods will affect the fiber optic light guide ends and bulbs, which may lead to a reduction in light output.

FROM POINT OF USE: If possible, soiled blades should be placed in a holding solution (combined disinfectant / enzyme solution) immediately after use and prior to cleaning.

PREPARATION FOR DECONTAMINATION: Reprocess all blades as soon as it is reasonably practical following use. We recommend disassembling the fiber optic light guide from Modular blades for separate cleaning.

CLEANING-AUTOMATED: Use only validated washer-disinfector machines and cleaning agents, following the manufacturer's instruction for use, warnings and recommended cycles. Load blade and handle carefully, ensure the fiber optic light guides are not liable to damage during loading procedure. Bulbs should not be cleaned in these machines.

CLEANING-MANUAL: Use a sink dedicated for instrument cleaning (not used for hand washing), rinse excess soil from blades & handles (water temp <35°C) Keeping the blades submerged, with a brush, apply cleaning solution to all surfaces. Pay particular attention to underside of the blade and heel. Always brush away from the body. Do not use a wire brush. Take great care not to brush against the Fibre ends in the blades to avoid scratching or damage. Rinse blade thoroughly with clean water, so that the water reaches all parts of blade, then carefully hand dry or use a drying cabinet.

LAMP CLEANING: Lamps should only be cleaned manually. Soak surgical grade cotton swab in decontaminate and apply to wipe off lamp gently. Repeat this procedure twice on every cleaning cycle. Carefully hand dry lamp before placing back in position.

STERILIZATION: To sterilize, use a validated vacuum autoclave operating at 134° - 137° C 2.25 Bar for a minimum holding time of 3 minutes. Always follow the instructions of machine manufacturer. When sterilizing multiple instruments in one autoclave cycle, ensure that sterilizer manufacturers stated maximum load is not exceeded. Ensure blades are dry before sterilization, if they cannot be dried prior to sterilization, then use distilled / de-ionized water in the final-rinse stage of cleaning.

REASSEMBLY: If the blade or handle has been disassembled (as may be the case with Modular fiber optic blades), reassemble and ensure the device works properly. Check the fiber optic light guide fits correctly. Do not apply excessive force. Lamps should be placed back in their original housing securely.

INSPECTION AND FUNCTION TESTING: Visually inspect and check all lamps and fibre optic light guides for damage and wear. To check functionality, connect the laryngoscope blade to the handle and pull upward to the ON position. If the unit fails to light or flickers, check the lamp and the battery.

PACKAGING: All blades and handle should be packed following local protocols.

STORAGE: Ensure blades and handles are dry before storage and stored in dry, clean condition at an ambient room temperature.

ADDITIONAL INFORMATION: Other forms of cleaning (alkaline and neutral) and sterilization (Cidex OPA, Ethylene oxide Up to 65° C for anesthetic devices) are permitted. However, always follow the instructions for use as issued by the manufacturer and always consult with them if in any doubt over the suitability of any process used.

Note: It is the responsibility of the reprocessor to ensure that the reprocessing has actually been performed using appropriate equipment, materials and personnel and the desired results have been achieved. This requires validation and routine monitoring of the process. Likewise any deviation by reprocessor from the instruction provided, must be properly evaluated for effectiveness and potential adverse consequences.