



FLEXIBLE ENDOSCOPIC INSTRUMENTS

INSTRUCTIONS FOR CARE & USE

IMPORTANT! REUSABLE INSTRUMENTS ARE PROVIDED IN A NON-STERILE CONDITION AND MUST BE STERILIZED PRIOR TO EACH AND EVERY USE.

- THE INSTRUMENT MUST BE ONLY USED FOR ITS INTENDED PURPOSE.
- INSPECT THIS PRODUCT THOROUGHLY UPON RECEIPT FOR SHIPPING DAMAGES.
- DO NOT USE AN ELMED INSTRUMENT PRODUCT IF IT DOES NOT PERFORM SATISFACTORILY IN A PREOPERATIONAL TEST.
- THIS INFORMATION IS NOT DESIGNED TO BE AN INSTRUCTIONAL GUIDE ON HOW TO PERFORM ANY SPECIFIC OPERATION. CONSULT MEDICAL LITERATURE REGARDING TECHNIQUES, COMPLICATIONS AND HAZARDS PRIOR TO ATTEMPTING ANY SURGICAL TECHNIQUE.
- HANDLE ALL INSTRUMENTATION WITH CARE TO PREVENT DAMAGE AND MAINTAIN FUNCTIONALITY.

INSTRUCTIONS FOR PROPER USE – INSPECTION OF THE INSTRUMENT

BEFORE EACH PROCEDURE, INSPECT THE ENTIRE LENGTH OF THE FLEXIBLE INSTRUMENT FOR KINKS ON THE OUTER SHEATH, DAMAGED INSULATION ON RF-ENERGIZED INSTRUMENTS, STACK TIPS OR OTHER DEFECTS. IF ANY DEFECTS ARE FOUND, HAVE THE INSTRUMENT INSPECTED AND TESTED BY A QUALIFIED BIOMEDICAL TECHNICIAN, OR RETURN IT TO ELMED FOR EVALUATION.

IMPORTANT! UNDER NO CIRCUMSTANCES ATTEMPT TO OPEN AND CLOSE THE TIPS OF THE INSTRUMENT IF ANY KINKS OR DEFECTS ARE PRESENT, AS THIS WILL LIKELY RUIN IT. ANY WARRANTY WOULD BE VOID IN SUCH A CASE.

IF THE INSTRUMENT IS OBSERVED TO BE IN GOOD CONDITION, SLIDE THE FINGER RING BACK AND FORTH TO ASSURE PROPER OPENING AND CLOSING OF THE TIP. IN THE CASE OF SNARES, THE LOOP SHOULD OPEN AND CLOSE WITHOUT ANY HESITATION. FORCEPS JAWS SHOULD REMAIN AT UNIFORM TENSION AT ALL POSITIONS WHILE OPENING AND CLOSING.

***IN THE CASE OF FORCEPS, CHECK FOR PROPER ALIGNMENT OF ITS CUPS, RESPECTIVELY, GRASPING TONGS.

INSTRUCTIONS FOR PROPER INSERTION INTO THE ENDOSCOPE

BEFORE ATTEMPTING TO INSERT THE INSTRUMENT INTO THE ENDOSCOPE, RETRACT THE HANDLE OF FINGER RING TO ASSURE THAT THE TIP IS IN THE CLOSED POSITION. ATTEMPTING TO INSERT THE INSTRUMENT WITH THE TIP PARTIALLY OPEN WILL CAUSE KINKS AND POSSIBLY RUIN THE INSTRUMENT.

INSERT THE INSTRUMENT INTO THE ENDOSCOPE'S CHANNEL WITH SHORT STROKES TO ELIMINATE BENDING OF KINKING DURING THE INSERTION.

INSTRUCTIONS FOR PROPER CLEANING AND STORAGE OF THE INSTRUMENT

IMMEDIATELY AFTER THE ENDOSCOPIC PROCEDURE, CLEAN THE INSTRUMENT USING SURGICAL DETERGENT FOLLOWING THE MANUFACTURER'S RECOMMENDATION FOR USE. BLOOD AND TISSUE PARTICLES SHOULD BE REMOVED WITH A FINE BRUSH. LARGER AND/OR EXCESS PARTICLES CAN BE EASILY REMOVED BY REPEATED OPENING AND CLOSING OF THE TOP.

STORE THE INSTRUMENT STRAIGHT ON A RACK WHICH IS MADE FOR THIS PURPOSE, IN SUCH A MANNER THAT THE HANDLE IS FACING UPWARD. OTHERWISE, THE INSTRUMENT MAY BE COILED AND STORED. HOWEVER, CARE MUST BE TAKEN NOT TO ALLOW THE INSTRUMENT TO BE COILED IN LOOPS LESS THAN 8 INCHES IN DIAMETER.

IMPORTANT! FLEXIBLE INSTRUMENTS ARE EXTREMELY DELICATE. MISUSE OR ABUSE WILL DESTROY THEM. KINKING DURING THE WASHING, AUTOCLAVING OR STORAGE PROCESS WILL RENDER THEM USELESS AND INDICATES ABUSE, INVALIDATING THE WARRANTY. WARRANTY COVERS DEFECTS IN WORKMANSHIP OR MATERIALS UNDER ITS INTENDED USE.

*** WARNING WHEN USING RF-ENERGIZED INSTRUMENTS***

MANY ELECTROSURGICAL ACCIDENTS HAVE BEEN CAUSED BY FAULTY ACCESSORIES, FAILURE TO CHECK FOR AND IDENTIFY THESE ACCESSORIES PRIOR TO EACH PROCEDURE AND BY CARELESS USE.

SELECTING THE PROPER TECHNIQUE WILL HELP TO PRESERVE THE FUNCTION AND EXTEND THE LIFE OF YOUR SURGICAL INSTRUMENTS. INSTRUCTIONS FOR PROPER STERILIZATION

ETO STERILIZATION

THE INSTRUMENT MAY BE STERILIZED BY ETHYLENE OXIDE, FOLLOWING THE INSTRUCTIONS RECOMMENDED BY THE MANUFACTURE OF THE STERILIZATION EQUIPMENT. TYPICAL CONDITIONS ARE 500 MG/1 ETHYLENE OXIDE, 30-70% RELATIVE HUMIDITY AND 120-135°F TEMPERATURE. EXPOSURE TIME WILL DEPEND ON THE TYPE OF EQUIPMENT USED.

STEAM AUTOCLAVING WITH PREVACUUM AND GRAVITY STERILIZERS

IF A WRAPPING METHOD IS USED, MAKE CERTAIN THAT THE INSTRUMENTS ARE INDIVIDUALLY WRAPPED OR SEALED IN A STERILE PACK. OTHER METAL OBJECTS SHOULD NEVER COME IN CONTACT WITH THE INSULATING MATERIAL OF THE FLEXIBLE INSTRUMENTS, OR WITH RF-CONNECTION CABLES. SUCH POINTS OF CONTACT MAY CAUSE MELTING OF THE INSULATION. WE RECOMMEND THE FOLLOWING VALUES/PARAMETERS, BUT WE ALSO SUGGEST FOLLOWING THE MANUFACTURER'S INSTRUCTIONS FOR STEAM STERILIZATION:

CYCLE	STERILIZING TEMP.	STERILIZING TIME	DRYING TIME* ³
PRE VACUUM/WRAPPED	270° F (132° C)	4 MINUTES	30 MINUTES
GRAVITY/WRAPPED	250° F (121° C)	30 MINUTES	45 MINUTES
GRAVITY/WRAPPED	270° F (132° C)	30 MINUTES	45 MINUTES

IT IS IMPORTANT THAT THE LONGEST DRYING CYCLE POSSIBLE IS EMPLOYED, TO PREVENT BUILD UP OF MOISTURE INSIDE THE INSTRUMENT AND RF-CABLES. IF THE CYCLE OF YOUR AUTOCLAVE ALLOWS A 30 MIN DRY TIME, WE RECOMMEND TO USE IT. CORROSION, PITTING OR INTERMITTENT OPERATION ARE USUAL SIGNS OF A MOISTURE INDUCED CORROSION PROBLEM.

FLASH AUTOCLAVING (FAST HEATING/COOLING CYCLE)

FLASH STERILIZATION: MINIMUM EXPOSURE TIME 4 MINUTES AT 132°C. AVERAGE DRYING TIME 8 TO 15 MINUTES.

IMPORTANT! FLASH AUTOCLAVING WILL REDUCE THE USEFUL LIFE OF THE INSTRUMENT PARTICULARLY WHEN IT IS CONSTRUCTED OF VARIOUS MATERIALS, ENCOMPASSING DIFFERENT EXPANSION RATES.

COLD SOAKING

THERE IS NOTHING DETRIMENTAL ABOUT THE USE OF GLUTARALDEHYDE OR OTHER COLD SOAKING SOLUTIONS, AS LONG AS THE ACCESSORIES ARE DRIED COMPLETELY PRIOR TO USE.

STERRAD STERILIZATION PROCESS INCLUDING STERRAD NX

THE STERILIZATION PROCESS IS A MULTIPLE STERILIZATION PROCESS THAT UTILIZES A COMBINATION OF EXPOSURE TO HYDROGEN PEROXIDE VAPOR AND PLASMA TO AFFECT STERILIZATION. THE STERRAD NX STERILIZER CAN STERILIZE INSTRUMENTS WHICH HAVE DIFFUSION RESTRICTED SPACES, SUCH AS HINGED PORTIONS OF FORCEPS AND SCISSORS. ADHERE TO THE STERILIZATION INSTRUCTIONS PROVIDED BY THE MANUFACTURER. (ADVANCED STERILIZATION PRODUCTS A JOHNSON & JOHNSON COMPANY).

CHEMICLAVING

THIS IS THE MOST DESTRUCTIVE METHOD TO THE INSULATING AND SILICONE MATERIALS OF ELECTROSURGICAL ACCESSORIES AND CAN CAUSE RAPID DETERIORATION AND FAILURE.

ELMED SPECIALIZES IN THE DESIGN AND MANUFACTURE OF NEW INNOVATIVE INSTRUMENTS AND EQUIPMENT, THE REPAIR OF ALL COMPETITIVE PRODUCTS AND A ONE-DAY TURN AROUND TIME ON REPAIRS.

WE DESIGN, MANUFACTURE, & SELL THE TOOLS THE SURGEONS USE

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WE SUBSCRIBE TO COST
CONTAINMENT AND
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ENVIRONMENT



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THEREFORE, WE
MANUFACTURE
REUSABLE PRODUCTS
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