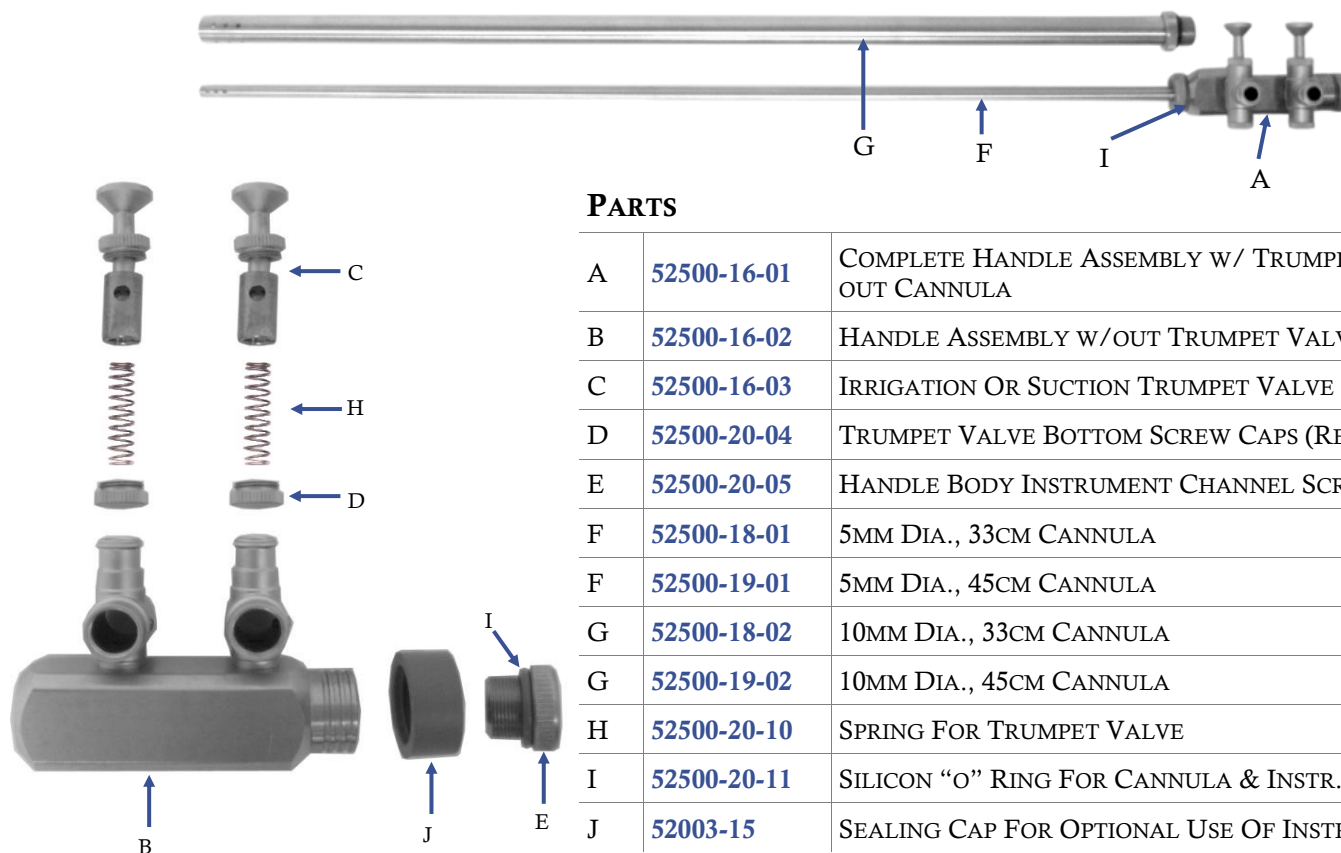


REUSABLE LAPAROSCOPIC IRRIGATION / SUCTION SYSTEM

CLEANING & STERILIZATION INSTRUCTIONS
(INSTRUMENT LIST NO: **52500-16** & **52500-17** NETZHAT HANDLE)

IMPORTANT: THESE INSTRUMENTS ARE FOR MINIMAL INVASIVE SURGERY. THEY ARE SHIPPED NON-STERILE AND MUST BE STERILIZED BEFORE USE.

ELMED, AS MANUFACTURER AND SELLER OF THE PRODUCT, ACCEPTS NO LIABILITY FOR INDIRECT DAMAGE OR PREPARATION, STERILIZATION OR MAINTENANCE. INSTRUMENTS ARE ONLY TO BE USED AS DESIGNATED IN THEIR SPECIALIZED MEDICAL FIELDS BY THE RESPECTIVE TRAINED AND QUALIFIED PERSONNEL. THEY ARE NOT INTENDED TO BE USED ON THE CENTRAL CIRCULATORY OR CENTRAL NERVOUS SYSTEM.



PARTS

A	52500-16-01	COMPLETE HANDLE ASSEMBLY W/ TRUMPET VALVE W/ OUT CANNULA
B	52500-16-02	HANDLE ASSEMBLY W/OUT TRUMPET VALVES & CANNULA
C	52500-16-03	IRRIGATION OR SUCTION TRUMPET VALVE (REQUIRES 2)
D	52500-20-04	TRUMPET VALVE BOTTOM SCREW CAPS (REQUIRES 2)
E	52500-20-05	HANDLE BODY INSTRUMENT CHANNEL SCREW PLUG
F	52500-18-01	5MM DIA., 33CM CANNULA
F	52500-19-01	5MM DIA., 45CM CANNULA
G	52500-18-02	10MM DIA., 33CM CANNULA
G	52500-19-02	10MM DIA., 45CM CANNULA
H	52500-20-10	SPRING FOR TRUMPET VALVE
I	52500-20-11	SILICON "O" RING FOR CANNULA & INSTR. CHANNEL
J	52003-15	SEALING CAP FOR OPTIONAL USE OF INSTR. CHANNEL

SEALING CAP FOR OPTIONAL USE W/
3MM DIA. INSTRUMENTS

IMPORTANT: PRIOR TO SURGICAL APPLICATION, PUSH TRUMPET VALVES REPEATEDLY.

MAINTENANCE AND CARE:

EVERY INSTRUMENT MUST BE CLEANED AND STERILIZED BEFORE BEING USED FOR THE FIRST TIME AND AFTER EVERY SUBSEQUENT USE. APPROPRIATE CLEANING, INSPECTION AND MAINTENANCE HELP TO ENSURE THE SERVICEABILITY OF SURGICAL INSTRUMENTS AND PROLONG SERVICE LIFE.

CLEAN, INSPECT AND TEST ALL INSTRUMENTS THOROUGHLY, AND STERILIZE BEFORE USE.

CLEANING AND RINSING SHOULD BE DONE PROMPTLY AFTER EVERY USE. OTHERWISE TISSUE PARTICLES OR DRIED SECRETIONS MAY ADHERE TO IT, WHICH MAY MAKE SUBSEQUENT CLEANING AND STERILIZATION DIFFICULT, IF NOT IMPOSSIBLE. INSTRUMENTS MUST BE ENTIRELY FREE OF ANY FOREIGN BODIES.

HANDLING, STORAGE AND STERILIZATION:

EXTREME CARE MUST BE EXERCISED WHILE USING, TRANSPORTING, CLEANING, STERILIZING, AND STORING. DAMAGE TO THE FUNCTION AND SAFETY OF THE INSTRUMENT MAY OCCUR IF THE INSTRUMENT IS HANDLED ROUGHLY OR IMPROPERLY, OR USED FOR SOMETHING OTHER THAN ITS INTENDED PURPOSE.

DISASSEMBLING & CLEANING:

1. UNSCREW THE CANNULA – CHECK CONDITION OF "O" RING (G). REPLACE IF BROKEN OR IN HARD, BRITTLE CONDITION.
2. UNSCREW TRUMPET VALVE RETAINING SCREW CAPS (C)
3. PULL OUT TRUMPET VALVES (C)
4. UNSCREW BOTTOM SCREW (D) & REMOVE SPRING (H)
5. REMOVE REAR INSTRUMENT CHANNEL LAP SCREW (D). INSPECT CONDITION OF "O" RINGS (E) (G). REPLACE IF BROKEN OR IN HARD, BRITTLE CONDITION.

RINSE WITH DEIONIZED WATER AFTER CLEANING TO REMOVE ANY DEBRIS, HAND WASH THE COMPLETE OUTSIDE OF HANDLE BODY, TRUMPET VALVES AND CANNULA USING NEUTRAL PH DETERGENT OR ENZYMATIC CLEANER*¹ AND SOFT BRUSH*². CLEAN ALL INSIDE LUMENS ON VALVE BODY USING ROUND CLEANING BRUSHES, BEING SURE TO WASH AND FLUSH ALL LUMENS AND CHANNELS WITH SOLUTION. THOROUGHLY CLEAN THE OUTSIDE AND INSIDE CANNULA USING A ROUND CLEANING BRUSH*² AND WASHING SOLUTION AND/OR ABRASIVE DETERGENT.

*¹ RECOMMENDED MERITZ PLUS DISINFECTANT/DECONTAMINANT: ITEM NO. **52003-90**.

*² RECOMMENDED ELMED CLEANING BRUSHES, ITEM NO. **52003-42, 52003-25, 52003-27**.

RE-ASSEMBLING: REVERSE STEPS OF DISASSEMBLY.

NOTE: THE IRRIGATION/TRUMPET VALVES ARE THE SAME AND CAN BE INTERCHANGED DURING REASSEMBLY.

STERILIZATION: THE INSTRUMENTS CAN BE STERILIZED FULLY ASSEMBLED (RECOMMENDED) OR IT CAN BE STERILIZED, DISASSEMBLED, AND THEN REASSEMBLED IN A STERILE FIELD IN THE OPERATING ROOM.

STEAM AUTOCLAVING:

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

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. TEMPERATURE SHOULD NOT EXCEED 68.3°C (155°F). EXPOSURE TIME WILL DEPEND ON THE TYPE OF EQUIPMENT USED

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).

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.

CHEMICLAVING—SOAKING: *NOT RECOMMENDED*

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

*³ **IMPORTANT:** ADHERE TO PROPER DRYING CYCLE TO MAKE SURE THAT INSTRUMENTS ARE COMPLETELY DRY ON THE INSIDE.

WARRANTY:

- ALL ELMED INSTRUMENTS ARE WARRANTED AGAINST DEFECTS IN MATERIAL & WORKMANSHIP FOR 1 YEAR.
- ROUTINE RESHARPENING, REINSULATING, AND ADJUSTMENTS AS WELL AS REPAIR OF DAMAGED INSTRUMENTS IS AVAILABLE FOR A MODEST CHARGE. ANY SERVICING OF ELMED INSTRUMENTS PERFORMED BY ANY SOURCE OTHER THAN ELMED, INC. *VOIDS* THIS WARRANTY.
- ELMED, INC., AS A MANUFACTURER AND SELLER OF THE PRODUCT, ACCEPTS NO LIABILITY FOR INDIRECT DAMAGE OR SUBSEQUENT DAMAGES THAT RESULT BY IMPROPER USAGE, IMPROPER HANDLING OR THROUGH IMPROPER PREPARATION, STERILIZATION OR MAINTENANCE. INSTRUMENTS ARE ONLY TO BE USED AS DESIGNATED IN THEIR SPECIALIZED MEDICAL FIELDS BY THE RESPECTIVE TRAINED AND QUALIFIED PERSONNEL.
- THEY ARE NOT INTENDED TO BE USED ON THE CENTRAL CIRCULATORY OR CENTRAL NERVOUS SYSTEM.

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

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WE SUBSCRIBE TO COST
CONTAINMENT AND
PROTECTION OF THE
ENVIRONMENT



MADE IN THE USA

THEREFORE, WE
MANUFACTURE
REUSABLE PRODUCTS
FOR A CLEANER
WORLD

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