

## Care and cleaning

### CAUTION - BIOLOGICAL HAZARDS

National disinfecting regulations must be adhered to when selecting suitable disinfectants and related procedures.

Contaminated parts with which the patient has come into contact during the treatment should be cleaned with a disinfectant approved for the purpose. Contaminated parts should be cleaned with Dismozon Pur (Manufacturer: Bode Chemie GmbH & Co).



### CAUTION - RISK FROM DEVICE OPERATION

Protect all optical exits (laser aperture and surgical microscope tube) against contamination and avoid touching optical exits.



### CAUTION - RISK FROM DEVICE OPERATION

Please note that the vapors of some cleaning agents and disinfectants (especially agents containing alcohol) reduce the laser radiation transmission.



### CAUTION - PROPERTY DAMAGE

Please note that some cleaning agents and disinfectants may damage plastic components. Damage caused by such disinfectants is not covered by our warranty. The surfaces of the device have been tested to withstand frequent and long-term treatment with alcoholic disinfectants and cleaning agents.

Do not use aggressive or abrasive cleaning agents.

The product has not been tested for resistance to UV rays. Repeated or permanent exposure to UV rays may result in color or mechanical changes.



Do not use acetone and acetone-based cleaning agents to clean the devices, as they could damage the surfaces.

## Sterilization

The following are provided to avoid cross contamination between user and patient:

- sterilizable adapters for control elements (these must be sterilized by the user before use) and
- disposable products as sterile coverings.



### CAUTION - BIOLOGICAL HAZARDS

The adapters should be sterilized before use, taking the national and company regulations into account.

## Sterilizable adapters

### Overview and use

Designation	Use	Supplier	Order number
Sterilizable caps 12 mm	Push and turn switch for ring illumination Rotary switch for satellite illumination	Carl Zeiss Meditec <sup>2</sup>	305810-9002-000
Sterilizable caps 22 mm	OPMI magnification changer	Carl Zeiss Meditec <sup>2</sup>	305810-9001-000
Cap 12D x 30 <sup>1</sup>	CCA+ unit Optional hand-held slit lamp	Carl Zeiss Meditec <sup>2</sup>	000000-0531-755
Protective cap	Optional hand-held slit lamp	Carl Zeiss Meditec <sup>2</sup>	000000-0450-562
Megatron stylus	Control panel	Geuder <a href="http://www.geuder.com">www.geuder.com</a> <sup>3</sup>	G-28125
Holder for stylus <sup>4</sup>	Storing the stylus when not in use	Included	000000-1990-259

<sup>1</sup> Caps on CCA+ and optional hand-held slit lamp are included with the MEL 90.

<sup>2</sup> Please contact ZEISS Service or your local dealer.

<sup>3</sup> To find your local dealer please visit the above websites.

<sup>4</sup> The holder is not sterilizable.

## General information

### CAUTION - BIOLOGICAL HAZARDS

Sterilizable accessories should be sterilized in compliance with the accompanying documentation.



The sterilizable adapters are delivered in unsterile condition.

The sterilizable adapters can be sterilized in an autoclave. Heat sterilization should be performed as follows:

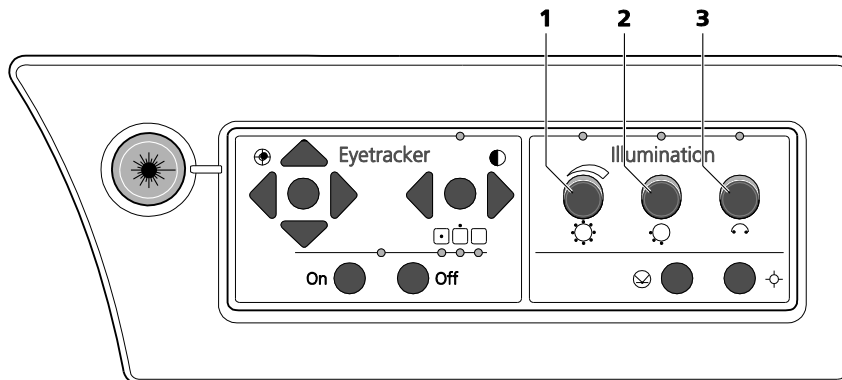
Sterilization time (time of exposure at sterilization temperature):  
at least 5 minutes at 132 °C/134 °C

Detailed information on sterilization of the sterilizable caps can be found in the "Preparing resterilizable products" user manual of the sterilizable caps used.

When attaching the sterilizable adapter to the MEL 90, the user must be sterile and ensure that unsterile areas are not touched directly.

### Sterilizable cap 12 mm

The adapters for knobs and push and turn switches for use with the sterilizable caps are supplied with the device and can be installed by ZEISS Service if required.

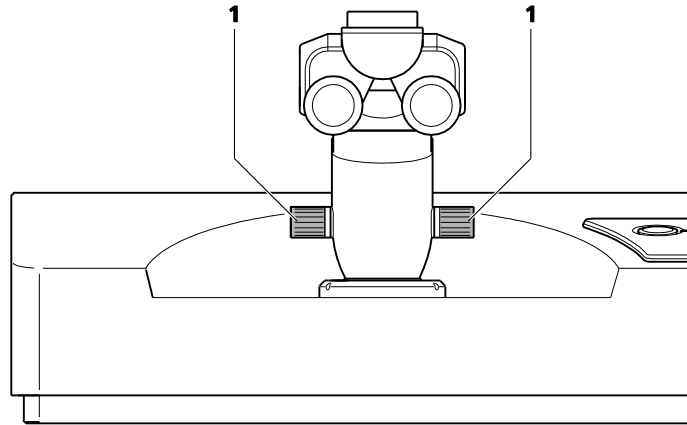


- 1 Sterilizable cap 12 mm for rotary/push button for the ring illumination
- 2 Sterilizable cap 12 mm for rotary/push button for segmenting the ring illumination
- 3 Sterilizable cap 12 mm for satellite illumination rotary switch

Fig. 36 Sterilizable caps on the control panel (laser arm)

**Sterilizable cap 22 mm**

Two sterilizable 22 mm caps are used for each magnification changer of the OPMI pico.

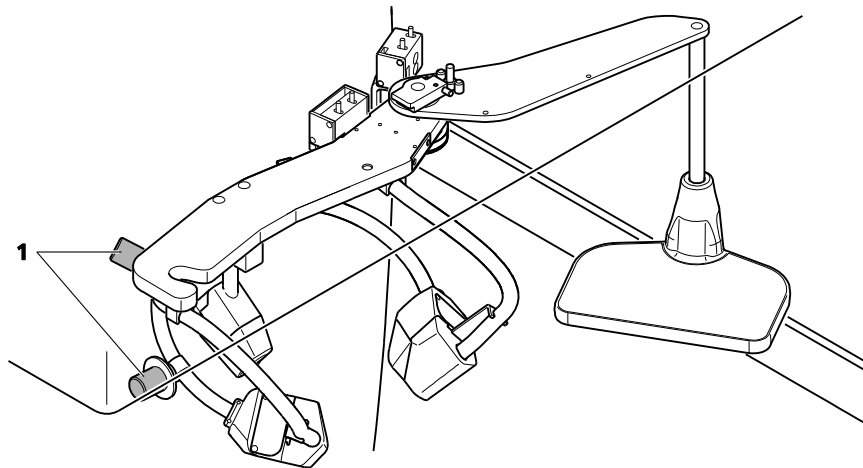


1 22 mm sterilizable caps for magnification changer (right and left)

Fig. 37 Sterilizable caps on OPMI

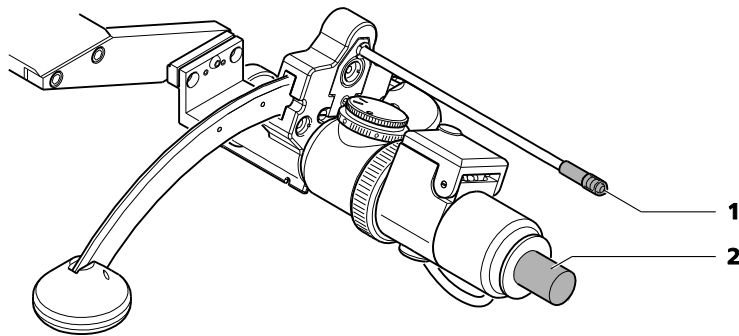
**Cap 12D x 30**

12 mm sterilizable caps can also be used instead of the 12D x 30 caps on the CCA+ unit and the optional hand-held slit lamp.



1 Caps for swivel arm grip

Fig. 38 Caps on the CCA+ unit



- 1 Instrument protective cap
- 2 Cap

Fig. 39 Caps on the optional hand-held slit lamp

### Instrument protective cap

The upper locking handle of the hand-held slit lamp is covered by an instrument-protective cap (1, Fig. 39).

### Stylus

The stylus consists of a non-slip, non-aseptic silicone end and a plastic handle. These two parts are separated by a "sterility barrier".

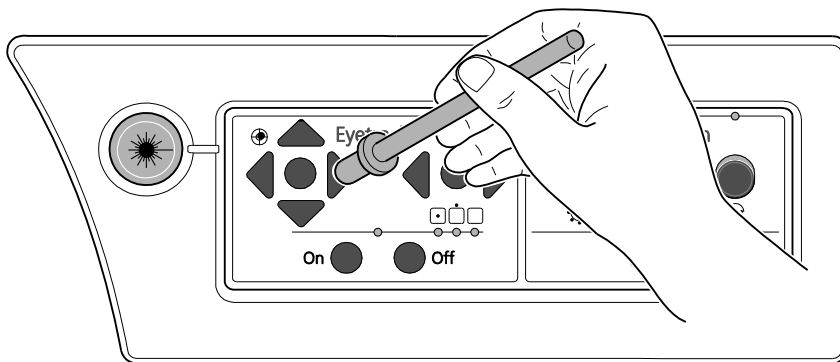
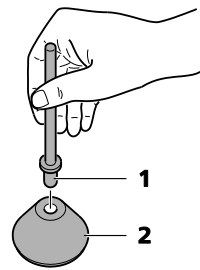


Fig. 40 Stylus

The stylus can be used with the supplied holder. This holder can be placed at an ergonomic position. Ensure that the holder cannot fall down.



- 1 Stylus
- 2 Holder for stylus

Fig. 41 Storing the stylus in the holder



The stylus holder has a non-slip bottom. Therefore, it should not be sterilized in an autoclave.

**Sterile covers**

Designation	Use	Supplier	Order No.	Quantity
Elasticated cover, 66 cm	PC keyboard, control element of patient supporting system	3M www.3m.com <sup>1</sup>	1097	1 piece

<sup>1</sup> To find your local dealer please visit the above websites.

One sterile hood each can be fitted over the external keyboard (optional) and over the control panel of the patient supporting system.

When attaching the sterile cover to the MEL 90, the user must be sterile and ensure that unsterile areas are not touched directly.

**Modifications**

This device must not be changed without approval of the manufacturer.

**Safety inspections**



**WARNING - GENERAL HAZARDS**

The operator must ensure that this medical product is subjected to a safety inspection once a year. Safety inspections may only be performed by personnel authorized by the manufacturer.