

Устройства для факоэмульсификации, вitrektомии и фрагментации хрусталика QUATERA 700, микроинтервенционные устройства для фрагментации линз miLOOP, хирургические наборы OPTIKIT

Технические характеристики

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ZEISS QUATERA 700



ZEISS QUATERA 700

Unleashing a new experience in phaco.

Contact us now

- **ZEISS patented QUATTRO Pump**
- **Digitally integrated surgical workflow**
- **Automated Ultrasound Power on Demand**

ZEISS patented QUATTRO Pump

Experience chamber stability independent of IOP and flow

ZEISS patented QUATTRO pump is designed to minimize surge effect with regard to length and parameter settings.

Digitally integrated surgical workflow

Get one view for everyone in the OR

ZEISS QUATERA 700 brings together all elements of the ZEISS Cataract Workflow, making it your single sterile OR cockpit.

Automated Ultrasound Power on Demand

Use automated ultrasound only when needed – upon occlusion

Power on Demand (PoD) is an ultrasound management technology that automatically (de)activates ultrasound only when needed

Automated Ultrasound Power on Demand Uncompromised efficiency

Technical specifications

Aspiration

Type of aspiration pump

QUATTRO Pump*

Aspiration control mode

Vacuum control mode, flow control mode

0 to 700 mmHg

Vacuum range

Note that the maximum available vacuum pressure might be limited by the environmental pressure.

Flow rate range 0 to 120 cc/min

Infusion

Type of infusion Quattro controlled, forced infusion

IOP range 30 - 120 mmHg

Phacoemulsification

Type of handpiece Piezoelectrical

Frequency 40 kHz (+4.5 kHz/-0.5 kHz)

U/S operation modes Continuous, pulse, single burst, multi burst, continuous burst, APM

Diathermy

Type Bipolar generator - generator stops when no HF power is required

Type of handpiece Handpieces for bipolar diathermy, e.g. diathermy forceps, diathermy pencil eraser

Control mode Fixed or "Linear" mode by pressing the foot pedal.

Vitrectomy

Type of handpiece 23G Anterior Vit Cutter, pneumatic cutting device with guillotine function (back-and-forth)

Actuation medium Compressed air from internal source

Cutting rate range anterior vitrectomy 30 - 5000 cuts/min ($\pm 20\%$)

Dimensions and weight

Height 1835 mm

Width 556 mm

Depth 758 mm

Tray arm length (from tray front to console) 875 mm

Weight 160 kg

Electrical data

Rated voltage 100 V - 240 V A C ($\pm 10\%$)

Rated frequency 50 HZ - 60 HZ

Power consumption 1200 VA

PRODUCT

ZEISS miLOOP Removing the challenge of dense cataracts.



The miLOOP® from ZEISS is a game-changing microinterventional lens fragmentation device which is designed to remove the challenges of hard cataracts. Using micro-thin super-elastic, self-expanding nitinol filament technology, the ZEISS miLOOP allows cataract surgeons to achieve zero-energy lens fragmentation for any grade cataract.¹

Significantly reduce overall phaco energy and fluid use for dense cataracts

A randomized controlled study in the British Journal of Ophthalmology showed that using ZEISS miLOOP in hard grade 3-4+ nuclear cataracts reduces phaco energy by up to 53% and therefore also ultrasonic vibrations. The same study also confirms that using ZEISS miLOOP significantly lowers the surgical irrigation fluid volume used per case by up to 30%.¹

Apply minimal stress to the capsule and zonules

ZEISS miLOOP is engineered to minimize capsular and zonular stress. It allows out-in nucleus disassembly that directs the force used to divide the lens inwards, while conventional techniques employ in-out lens cutting with adjunct phaco-energy.¹

Reduced procedure time and easier cortical cleanup

In a 2019 surgeon survey, the majority of trained ZEISS miLOOP surgeons report a perceived reduction in overall procedure time with ZEISS miLOOP.² Furthermore, 84% of the surgeons report an easier cortical cleanup during irrigation/aspiration with the use of ZEISS miLOOP.²

Specifications

	ZEISS miLOOP
Application	lens fragmentation
Phaco energy emitted	none
Cataract range	suitable for any grade cataract
Material	memory shaped super-elastic thin nitinol filament
Length	~15 cm



PRODUCT

ZEISS OPTIKIT

Truly customizable surgical packs

Prepare for cataract surgery with OPTIKIT® from ZEISS to save time in surgical preparation and optimize your workflow.

ZEISS OPTIKIT surgical packs provide you with high-quality components for ophthalmic surgery, including ZEISS products, phaco accessories and consumables, to complete a single cataract procedure. As your reliable partner in cataract workflow optimization, ZEISS provides you with the right solutions at every step of the surgery.

Get in contact with us

- **Streamline surgical preparation**
- **Efficient OR routine**
- **Quick and easy setup**

Streamline surgical preparation

consumables and ZEISS products in one sterile pack

From standard components to ZEISS products¹ and phaco accessories, every item you choose is placed in the same sterile pack for added convenience and a more efficient surgical preparation. In addition to high-quality consumables, you have the option to include ZEISS products and phaco accessories such as QUATTRO Cassette for ZEISS QUATERA 700, Phaco Sets, I/A Handpieces, and ZEISS miLOOP.



Efficient OR routine

sequential packing that matches your workflow

Define the order in which your selected components are placed in the ZEISS OPTIKIT, to add efficiency in your surgical preparation. Benefit from a personalized packing option that is tailored to your workflow needs and discover new ways to optimize surgical workflows and enable a quick OR turnaround.

Quick and easy setup

via ZEISS digital configurator

Conveniently create your customized order with your ZEISS representative via the ZEISS digital configurator. Together, choose the most suitable product combination from the extensive ZEISS portfolio and define the shipment schedule.

Select the ZEISS OPTIKIT option that fits your needs.

- **ZEISS OPTIKIT customized:** Standard components, such as knives, cannulas, drapes, swabs, gowns, and gloves and more
- **ZEISS OPTIKIT customized+:** ZEISS products and phaco accessories for ZEISS QUATERA 700 and ZEISS miLOOP, in addition to standard components

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