

eva

Phaco-Vitrectomy System

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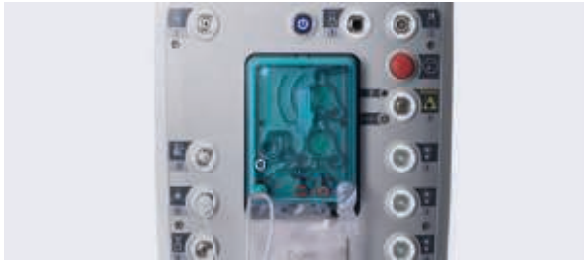
General

- Power supply: 100 - 240V
- Power consumption: max 650 VA
- Input pressure: 4 - 10 bar (58 - 145 psi)

Dimensions

- Size: 717x595x1667 mm
- Weight full option: 142 kg

Specification sheet



VacuFlow VTi technology

- Vacuum mode: Vacuum [mmHg @sea level]: 0 to -680
- Flow mode: Flow [ml/min]: 0 to 90 and vacuum limit [mmHg @sea level]: 0 to -680
- Fastest rise time: 300 msec (0-680 mmHg@0 cc/min 10 - 90%)
- Single cartridge for anterior, posterior or combined procedures
- 1x irrigation, 2x aspiration ports



LED Endoillumination Module

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- With built in filters to protect user from UV (<435 nm) and IR (>680 nm) wavelengths
- 3 independent output ports
- Intensity up to 40 lm, 0-100%
- Color adjustment, white to yellow in 20 gradients



Graphical User Interface

- 19 inch resistive touch screen (1280x1024)
- Intuitive Graphical User Interface
- Voice feedback
- Integrated stylus holder
- IR remote control
- Languages: EN/DE/FR/ES/IT/PT/FI/NO/SV/NL



Infusion System

- Gravity by integrated automatic IV pole: 40 to 150 cm H₂O (hook 0 to 110)
- Vented Global Pressure Control: 0-150 mmHg
- Automatic Infusion Compensation (vitrectomy only)
- Fluid tamponade



Vitrectomy

- Ultra speed vitrectomy: 20-16.000 cpm*
- Optimized duty cycle
- Single cut function



Phaco

- E(ffiiciency)-Phaco: phaco pulse mode with 250 pps for phaco emulsification and fragmentation
- 40 kHz / 50 Watt
- Stroke length of tip @ 100%: 100 µm
- Needle detection & auto tuning
- Advanced fluidics Threshold Technology

* The TDC cutter has a cut speed of up to 8000 cpm and is designed to facilitate cutting tissue on the return of each stroke of the vitrectome, effectively doubling the cut speed.



Backflush

- Auto backflush (0 - 50 mmHg/0 - 250 msec)
- Micro backflush (0 - 50 mmHg/0 - 250 msec)
- Manual backflush (see Infusion System)



Diathermy

- Bipolar coagulation endo and exo diathermy
- Frequency: 1 Mhz +/- 10%
- HF output: 0 - 10 Watt @ 150 Ω



Fluid-Air exchange

- 0 - 150 mmHg
- Air tamponade



Viscous Fluid Control

- Injection, 0-6 bar
- Extraction, 0 to -680 mmHg
- One instrument for injection and extraction



Redesigned Integrated Footswitch

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- Wireless with integrated laser control
- 6 programmable buttons
- Customizable inlays
- Independent control of aspiration and cutting/phaco
- Single linear lock



Integrated 532 nm Laser (optional)

- Modes: Continuous, Pulse and Single shot
- Power: 50 up to 1200 mW
- Pulse Interval: 10-5000 ms
- Pulse Duration: 50-5000 ms
- Aiming beam wavelength: 625 to 635 nm
- LIO illumination 6 V / 12 W: 0-100%
- Integrated footswitch with shrouding



Mayo tray (optional)

- Mountable on left or right side
- Height (variable) [cm]: 90 +/- 15
- Tray [cm]: 42 x 63.5

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