



**KINYA**

Key Innovation in Your Access

*PRODUCT CATALOG*



# ▶ POSTERIOR VITRECTOMY SYSTEM

Introducing V HOPE - the embodiment of technology and dependability for vitreoretinal procedures. V HOPE provides surgeons with the tools necessary for meticulous surgical performance by merging the forefront of vitrectomy technology with an ergonomic design.



- ▶ *Cut rate of 10,000 cuts per min*
- ▶ *20,000 cuts per min with dual blade cutter*
- ▶ *Venturi pumps*
- ▶ *80Watt LED light source*
- ▶ *Automated infusion control*

*Emergency Control mode*

## User-Centric Design

*Graphical User Interface (GUI):* Equipped with a 15 inch resistive touchscreen, providing an intuitive, voice-activated interface that simplifies complex surgical tasks.



**H**ARMONIOUS  
**O**PTIMAL  
**P**REDICTABLE  
**E**EASY TO USE



With V HOPE, experience a harmonious blend of technology and comfort, designed to deliver an optimal and predictable surgical journey that is efficient and user-friendly.

## Enhanced Surgical Capabilities

*Ultra-High Speed Vitrectomy:* Delivers meticulous control with 10000 cuts per minute through an optimized duty cycle and 3D vitrectomy functionality for superior surgical outcomes.

*Phaco Fragmentation Probe:* Expand your surgical capabilities with our integrated Phacoemulsification probe, designed for efficient lens fragmentation, offering a multifaceted approach within the same platform.



*Endo-Illumination:* Features a powerful 80W White LED light source, with life span of 50,000 hours compatible with 23G, 25G, and 27G systems, providing exceptional illumination for intricate surgeries.

*Venturi Pump System:* The Venturi Pump System ensures a consistent and reliable flow, essential for the delicate balance required in posterior vitrectomy procedures.

*Diathermy Precision:* With an inbuilt diathermy at 1 MHz, achieve pinpoint coagulation, vital for minimizing intraoperative bleeding and enhancing surgical outcomes.



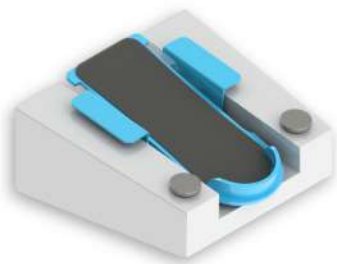
*Viscous Fluid Function:* Ensures smooth silicone oil injection and extraction process by linearly controlling injection pressure with up to 6.5 bar and an extraction vacuum up to 650 mmHg.

# Reliable Infusion and Pressure Systems

*Automated Eye Pressure Control:* Features an advanced safety mechanism to ensure stable eye pressure throughout the surgery, adapting seamlessly to any unexpected interruptions.

*Infusion System:* Offers a comprehensive pressure range (0-200mm Hg) with both gravity and automated options and infusion compensation for maintaining constant intraocular pressure.

*Air-Fluid Exchange:* Provides a broad range (0 - 200 mmHg) with an alternate pressure function, critical during complicated VR procedures.



*Foot Switch:* A linear multi functional pedal with six push buttons offers user-friendly operation, allowing surgeons to maintain focus while accessing different functions.

## Prioritising safety and care

- *Emergency Mode:* Uninterrupted care with foot pedal-free operation, even in scenarios like foot pedal malfunction during surgeries.
- In case of unexpected power outages, the eye pressure will be sustained, whether in air or fluid.

## Easy of Use

- *Automatic Draining Cassette:* Enhances operational efficiency with an automatic draining system, reducing maintenance time and ensuring a clean, ready-to-use setup.
- *Separate line for extrusion,* it can help in 25G and 27G surgery.
- *Alternate vacuum feature* for PVD Induction.
- *PSI adjustment mechanism* for using different cutters.

## Specifications

- Power Supply: 100 - 240V
- Max Power Consumption: 600W
- Input Pressure: 7 - 8 bar
- Dimensions: 421 x 421 x 210 mm
- Weight: 32 Kg



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