

PRODUCT CATALOG VASCULAR

HOME OF THE ORIGINAL KLEIN PUMP

by Dr. Jeffrey Klein

Introducing the
NEW 4th Generation



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Save time & your hands, use a Klein Pump!



- Tumescence Anesthesia is easier, faster, and more efficient.
- Numbing requires less time than Manual Infiltration.
- More patient comfort with 2-3 insertion sites versus 8-10.
- Instant numbing of the leg - most patients even fall asleep.
- Foot pedal activates pump on both pumps.
- KTIP has option for foot pedal or start/stop on interface.
- Saves operating room time.
- Minimize potential for surgeon carpal tunnel and other issues.

High-Precision Tumescent Delivery



- Precision Delivery
- Adjustable Pump Rates in 1RPM Increments
- 1 to 600 RPM
- Up to 1,000mL Flow Rate
- Bi-Directional Pumping Selection
- Membrane Touch Control Keypad
- Foot Pedal or Finger-Touch Control
- Adjustable Sound Volume
- 77,000 Hrs Life Expectancy
- Save Speed Setting



3-year limited warranty

Includes: 1 foot pedal, 1 Single Spike Infiltration Tubing, power cord, IFU, no CE Mark. Additional foot pedal optional.

High-Volume, Fluid Delivery



- 10 lbs.
- Dimensions 12 x 9 x 6
- Single-direction drive
- Adjustable flow rate
- Adjustable sound
- Adapts to 115 or 230 volts
- Dual-mode foot pedals
- Toggle or Momentary Mode
- Optical cut-off switch
- Easy-load tubing pump head
- Option for additional pedal
- CE Marked



1-year limited warranty

Includes: 1 foot pedal, 1 Single Spike Infiltration Tubing, power cord, IFU

COMPARISON CHART KIP-II TO KTIP



Feature	KIP-II	KTIP
Flow Rate	Up to 1000mL/min	Up to 1000mL/min
Speed	30-573RPM range	1-600RPM range
Accuracy	+/-10RPM	RPM does not vary
Energy Consumption	3 Amp	5 Amp
Voltage	115v / 230v	115v / 230v
Noise	<85db	<64db
Brushless Motor	No	Yes
Foot Switches	2 ports	2 ports
Speed Control Type	Speed Dial	Touchkey Membrane
Bi-Directional	No	Yes
Volume Control	Yes	Yes
Save Settings	No	Yes
Start-Stop Button	No	Yes
Power Source	Internal	External
Weight	10lbs	11lbs
Dimensions (DxWxH)	12"x9"x6"	12"x9"x6"
Life Expectancy	3,000 hrs	77,000 hrs
Warranty	1 Year	3 Years

Infiltration Single-Spike (ITS-10, ITS-20)

- Single Spike, luer-lock
- Inner Diameter: .110in (.279cm)
- Outer Diameter: .160in (.406cm)
- Silicone Sleeve Diameter: .187in x .375in
- Length: 15.5 ft, 200in (508cm)
- Free of natural latex and DEHP
- Single-use, Disposable
- CE Marked, boxes of 10 or 20



Infiltration CV Single-Spike (CVT-10, CVT-20)

- Single Spike, luer-lock
- Inner Diameter: .110in (.279cm)
- Outer Diameter: .160in (.406cm)
- Silicone Sleeve Diameter: .187in x .375in
- Length: 15.5 ft, 200in (508cm)
- Free of natural latex and DEHP
- No dripping, bubbles - clear ultrasound view
- Single-use, Disposable
- CE Marked, boxes of 10 or 20



Minimize bruising and avoid laceration of blood vessels, laser, or sheath.



- Multiple sizes available.
- 18 gauge by 20 cm is preferred by surgeons for vein ablation.
- Compatible with luer lock tubing and HK Infiltration Handles.
- Body of the cannulas has perforations in a spiral pattern
- Luer lock hub
- Made from 303 stainless steel
- Custom length/sizes available
- Autoclavable, reusable

We are happy to share HK customer feedback on how they specifically use HK cannulas.

For use with any luer-lock cannula or spinal needle

Infiltration Handle - Small (IHSS) 6.5" Length, 0.75" Diameter



Infiltration Handle - Large (IHSL) 6.5" Length, 1" Diameter



- Aluminum body
- Autoclavable, reusable
- Stainless-steel, luer-lock fittings on proximal and distal ends.
- Allows for attachment of all standard cannulas or luer-lock spinal needles and tubing.

Secure your tubing with the HK Connector!



- HK Connector holds luer lock infiltration tubing secure on a procedure tray.
- Keeps tubing stable in the sterile field while not in use.
- Helps avoid dropping, falling, or leaking tubing.
- Use as a decanter for luer-lock syringes.
- Made from 303 stainless steel.
- Autoclavable, reusable

Use safety labels on every bag of Tumescant Anesthesia

	Safety Labels	Bag #	
for Subcutaneous Tumescant Infiltration Only			
Lidocaine	250 mg	500 mg	750 mg
	1000 mg	1250 mg	1500 mg
			____mg
<hr/>			
Epinephrine	0.5 mg	0.65 mg	
	1 mg	1.5 mg	____mg
Na Bicarb 10 meq	in 1000 ml	0.9% NaCl	Lactated Ringer's
<hr/>		<hr/>	
Patient's name		Date	
hksurgical.com 1-800-909-0060			

Avoid inadvertent IV delivery of Tumescant Lidocaine Anesthesia (TLA) with HK Surgical Safety Labels.

HK Super Absorbent Post-op Pads

(US Patent No. 6,162,960)

- Large pad holds 1L/1000mL fluid
- Fluid wicks into pad
- Provides a dry surface to the patient
- Surface stays dry without leaking
- Minimizes bruising
- Single-use, 48 per case



PD-XS (12"x4.75")
PD-S (12"x9.5")
PD-M (12"x15.75")
PD-L (12"x19.5")
PD-XL (12"x28")

Super Absorbent OR Table Sheets

PD-OR3148 (31"x48")
PD-OR3171 (31"x71")
SPD-OR3171 (31"x71") Sterile

- Keep patients dry during procedures without needing to change out pads.
- Typically only 1 pad per surgery is needed.
- Single-use, 20 per case



Designed Specifically for Vein Ablation (Hospital OR, Surgery Center, or In-Office Setting)



Vein Valet (VV)
(Surgeon Preferred)



IV Pole & Bracket
Sold separately



HK Surgical is the recognized leader in the development, distribution, and marketing of superior tumescent equipment and supplies located in San Clemente, CA.

HK Surgical was founded in 1998 by Dr. Jeffrey Klein, the inventor of Tumescent Lidocaine Anesthesia (TLA) and designer of the Klein Infiltration Pump, now known worldwide for tumescent delivery. Tumescent Anesthesia not only revolutionize liposuction but also many other procedures.

HK Surgical manufactures and distributes a wide array of products not only for liposuction and vascular procedures but any procedure where TLA would be beneficial. We have multiple patented products that cannot be found anywhere else in the world.

Our experienced staff is committed to earning and maintaining your trust by providing quality products and exceptional customer service. Our goal is to build a lasting partnership and provide you with the resources for success, the HK Way!

HK Surgical Sales & Service Team

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