



Add Hi-Tech Precision to your Surgical Expertise...



Excelling Through Excellence

Shalya VesSeal[®]

4th Generation Vessel Sealer



Complete range of
Electro Surgical Solutions



Technical Specifications of **Shalya VesSeal**

BIPOLAR CUT : Pure Sine wave 440 kHz
Macro - Continues output, 100 W at 100 Ω, CF 1.5
BiCut - Continues output, 100 W at 100 Ω, CF 1.5

DESSICATOR : 440 kHz
Pulse BiCut - 5 Level output, 150 W at 100 Ω, CF 1.5

LEAKAGE CURRENTS

- RF leakage current • Bipolar : < 60 mA rms
- Low Frequency leakage currents
 - Normal polarity, intact ground : < 10 μA
 - Normal polarity, ground open : < 50 μA

INPUT POWER (other ratings available on request)
Operating Voltage : 180-265 Volt AC, 50-60 Hz
Max. Power input : 1000 VA, Fuse : 6 A, UPS Backup : 1KVA

DIMENSIONS

L x W x H in cm - 38 x 31 x 12, Weight in kg < 6

BIPOLAR COAG : Pure Sine wave 440 kHz
Micro - Continues output, 100 W at 100 Ω, CF 1.5, Low volt
Standard - Continues output, 100 W at 100 Ω, CF 1.5, Medium Volt
Force - Continues output, 100 W at 100 Ω, CF 1.5, High Volt

VESSEL SEALING : TWO Modes : 440 kHz
Fine Seal - Low Pulse output, 5 Levels, 150 W at 100 Ω, CF 1.5
Rapid Seal - High Pulse output, 5 Levels, 150 W at 100 Ω, CF 1.5

FEEDBACK SYSTEM

- 3 Microprocessor Controlled 6SENSE Technology with sampling rate above 4000 sense/second
- Maximum output power deviation < 15% or 5 watts, whichever is greater at any setting with PER-98

DESIGN STANDARD

Classification according to the EC- Directive 93/ 42/ EEC: Class IIb
General Safety Standards: IEC 60601-1-1, IEC 60601-2-2
EMI/EMC Compatibility Standard: IEC 60601-1-2
IS Safety Standard: IS 7583

Note : Unit is available in other HF power ratings on request.

Features of **Shalya VesSeal**

- 5" LCD Touch Screen** : Allows quick, easy & interactive experience to users.
- 6SENSE Technology** : Maintains set power over wider range of tissue by Tissue Feedback Technology.
- Vessel Sealing Mode** : Seals upto **7mm** tissue bundles & vessels with reusable vessel sealing attachments.
- Cool Seal** : Innovative technology to seal the tissue vessel by applying calibrated pressure with RF energy. The Collagen & Elastin within the tissue vessel walls melt & restructure to form translucent seal.
- Auto Stops** : Automatically RF current after completion of vessel sealing.
- Tissue Rehold Alarm** : Close Rehold is given if Insert is closed & Open Rehold in case of open.
- Pulse BiCut** : Pulse bipolar cutting for modern BiCut/Desiccate.
- Bipolar Cut & Coag modes** : Independent display setting using its respective footswitch.
- BiCoag Alarm** : Audio feedback after completion of Bipolar coag, reduces charring and sticking.
- Footswitch** : Enhanced with a toggle button to switch between modes along with on-screen indication. Unit also supports **wireless** footswitch for clean & wire-free surgical environment.
- Smart Surgical Assist** : The program manager allow smart access to programs & settings.
- Self-illuminating socket** : Helps during power settings and RF activation to indicate use of respective RF port.
- Self Diagnosis** : Ensures the ESU with accessories are safe for functioning & display error codes if any.
- User Programmable** : **10** user settable programs with procedure & surgeon name.

Advantages of **Shalya VesSeal**

- Minimum cost per case due to reusable attachments.
- All international sealing attachments acceptable.
- No tissue sticking & charring.
- No foreign material left behind after surgery.
- Independent Foot-switches for Bipolar CUT, Bipolar COAG, Dessicator & Sealer for simultaneous activation.
- It can be used to seal tissue up to 7mm.
- Minimal thermal spread to adjacent tissue.
- Independent attachment activation of Bipolar with Cut & Coag effect.
- Seal can withstand to 3 times normal systolic pressure.

Applications of **Shalya VesSeal**

- Abdominal Hysterectomy • Adenalectomy • Appendectomy • Colectomy • Colon Resection
- Cystectomy • Gastrectomy • Gastric Bypass • Hemorrhoidectomy • Lap-Assisted Vaginal Hysterectomy(LAVH)
- Liver Resection • Nephrectomy • Nissen Fundoplication • Radical Hysterectomy • Radical Prostatectomy
- Splenectomy • Salpingo-oophorectomy • Vaginal Hysterectomy

XcellLance Medical Technologies Pvt. Ltd.

Plot No. W239, Rabale MIDC, TTC Industrial Area, Rabale, Navi Mumbai - 400 701. INDIA T:+91-22-7114 2400

info@shalya.in

Shalya Extended Range



Shalya Vista



10mm Reusable Instruments with changeable blade



Sealing Clamp



Wireless Footswitch