

# ELECTRO SURGICAL UNIT (VESSEL SEALER)



### Output Characteristics

Modes	Maximum P-P Voltage	Rated Load (OHMS)	Maximum Power (WATTS)	Crest Factor* (TYPICAL)
<b>Monopolar Cut</b>	Pure	900	500	1.5
	Blend I	1100	500	2.1
	Blend II	1200	500	2.4
	Blend III	1300	500	2.8
	Blend IV	1300	500	3.1
<b>Monopolar Coag.</b>	Soft	1600	500	3.5
	Dessicate	1800	500	3.8
	Force	2100	500	4.2
	Spray	3500	500	6.8
<b>Bipolar</b>	Micro	320	100	1.5
	Standard	460	100	1.5
	Macro/Cut	600	100	1.5

**Vessel Sealing Mode: Pure Sine wave 440 kHz**

**Seal – Pulse output mode,**

**Soft-Seal 120 W at 100 Ω CFI.5**

**Med-Seal 200 W at 100 Ω CFI.5**

**Rapid-Seal 350 W at 100 Ω CFI.5**

**PPQM System**

**Measuring Frequency: 85 kHz + 10 kHz Measuring current: < 10 μ A**

**Dual Area Patient Return Electrode: 5-135 Ω**

**Single Area Patient Return Electrode: < 10 Ω**

**Application Fields**

**Ophthalmic, Laparo Surgery, Endo, GI, Ortho, Open, & General Surgery, Onco, Gynecology, Hernia, GI Endocut, Papillotomy, Polypectomy, Under water, Urology, Gynec TCRE, Hysteroscopy, Thoracotomy, Unit is suitable for all kind of Open, Endoscopic, Laparoscopic and Minimally Invasive Surgery Plastic, Neuro, ENT, Spine, Thoracic and Cardiac Surgery.**

**Safety Standards**

**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**

**Leakage Current**

**HF Leakage Monopolar < 100 m A RMS – Bipolar < 50 m A RMS**

**Low Frequency: Normal polarity, intact ground: < 10 μ A**

**Normal polarity, ground open: < 50 μ A**

**Input Power**

**Operating Voltage: 190-260 Volt 50Hz AC, (Optional 90-120Volts 60Hz AC)**

**DIMENSIONS L x W x H – 350 x 350 x 130mm Net weight in 6.5 Kg**

**Standard Accessories will be supply with unit.**