



PRODUCT CATALOGUE

ELECTROSURGERY

PENCILS
ELECTRODES
GROUNDING PADS
ELECTROCAUTERIES
NERVE LOCATOR



PENCILS

The range of ESU pencils is very wide, including disposable and reusable models, with button, rocker or foot switch. Pencils can be supplied with several electrodes included, as single piece as well as a kit configuration. Some useful accessories (holster, tip cleaner and adapters) complete the range.

SINGLE USE PENCILS

BUTTON SWITCH PENCILS					
ref.	cable length	Ø shaft	connector	electrode	picture
F4797	320 cm	2,38mm	Valleylab	blade F4046	
F4797/5	500 cm	2,38mm	Valleylab	blade F4046	
F4797/WB	320 cm	2,38mm	Valleylab	none	
F4797/5WB	500 cm	2,38mm	Valleylab	none	
F4797/A	320 cm	2,38mm	Valleylab	needle F4048	
F4797/5A	500 cm	2,38mm	Valleylab	needle F4048	
F4797/P	320 cm	2,38mm	Valleylab	sphere F4044	
F4797/L	320 cm	2,38mm	Valleylab	Blade F4050	
F4797/5L	500 cm	2,38mm	Valleylab	Blade F4050	
F4797/AL	320 cm	2,38mm	Valleylab	needle F4052	
F4797/PL	320 cm	2,38mm	Valleylab	sphere F4067	
F4797 T	320 cm	2,38mm	Valleylab	blade F4046T	
F4797TEF	320 cm	2,38mm	Valleylab	blade F4046/TEF	
F4797/5TEF	500 cm	2,38mm	Valleylab	blade F4046/TEF	
F4797/ERB	320 cm	2,38mm	Erbe 5 mm	blade F4046	
F4797/5ERB	500 cm	2,38mm	Erbe 5 mm	blade F4046	
F4798	320 cm	2,38mm	Valleylab	blade F4046	
F4798/5	500 cm	2,38mm	Valleylab	blade F4046	
F4795/SE	300 cm	2,38mm	Valleylab	blade F4046 F4050	
BUTTON SWITCH PENCILS - KIT					
ref.	description				picture
F4798/H	pencil F4797 + holster F4545				
F4798/5H	pencils F4797/5 + holster F4545				
F4798/HTEF	pencil F4797TEF + holster F4545				
F4798/5HTEF	pencil F4797/5TEF + holster F4545				
F4797/75	pencil F4797 + tip cleaner F7520				
F4797/5-75	pencil F4797/5 + tip cleaner F7520				
F4798/75H	pencil F4797 + holster F4545 + tip cleaner F7520				
F4798/5-75H	pencil F4797/5 + tip cleaner F7520 + holster F4545				
F4797T/75H	pencil F4797 T + holster F4545 + tip cleaner F7520				
F4798/5ERB-75H	pencil F4797/5ERB + tip cleaner F7520 + holster F4545				
ROCKER SWITCH PENCILS					
ref.	cable length	Ø shaft	connector	electrode	picture
F4795	320 cm	2,38 mm	Valleylab	blade F4046	
F4795/5	500 cm	2,38 mm	Valleylab	blade F4046	
F4795TEF	320 cm	2,38 mm	Valleylab	blade F4046/TEF	

FOOT SWITCH PENCILS

ref.	cable length	Ø shaft	connector	electrode	picture
F4390	320 cm	2,38 mm	3,2 mm	blade F4046	
F4390/5	500 cm	2,38 mm	3,2 mm	blade F4046	
F4390/WB	320 cm	2,38 mm	3,2 mm	none	
F4390/5WB	500 cm	2,38 mm	3,2 mm	none	
F4390/A	320 cm	2,38 mm	3,2 mm	needle F4048	
F4390/P	320 cm	2,38 mm	3,2 mm	sphere F4044	
F4390/L	320 cm	2,38 mm	3,2 mm	blade F4050	
F4390/AL	320 cm	2,38 mm	3,2 mm	needle F4052	
F4390/PL	320 cm	2,38 mm	3,2 mm	sphere F4067	
F4390/4M	320 cm	2,38 mm	4mm plug	blade F4046	

FOOT SWITCH PENCILS - KIT

ref.	description	picture
F4390/H	pencil F4390 + holster F4545	
F4390/5H	pencils F4390/5 + holster F4545	
F4390/75	pencil F4390 + tip cleaner F7520	
F4390/5-75	pencil F4390/5 + tip cleaner F7520	
F4390/75H	pencil F4390 + tip cleaner F7520 + holster F4545	
F4390/5-75H	pencil F4390/5 + tip cleaner F7520 + holster F4545	

REUSABLE PENCILS



BUTTON SWITCH PENCILS

ref.	cable length	Ø shaft	connector	n°sterilization	electrode	picture
F4141	320 cm	2,38 mm	Valleylab	30	blade F4060	
F4141/ERB	320 cm	2,38 mm	Erbe 5 mm	30	blade F4060	
F4151	500 cm	2,38 mm	Valleylab	30	blade F4060	
F4243	320 cm	2,38 mm	Valleylab	100	blade F4060	
F4244	300 cm	2,38 mm	Valleylab	100	blade F4060	
F4254	500 cm	2,38 mm	Valleylab	100	blade F4060	
F4242	300 cm	2,38 mm	Valleylab	100	blade F4060	
F4252	500 cm	2,38 mm	Valleylab	100	blade F4060	
F4246	300 cm	4 mm	Valleylab	100	blade F4060/4	
F4256	500 cm	4 mm	Valleylab	100	blade F4060/4	


FOOT SWITCH PENCILS

ref.	cable length	Ø shaft	connector	n°sterilization	electrode	picture
F4812	300 cm	2,38 mm	4mm plug	100	blade F4060	
F4814	300 cm	2,38 mm	4mm plug	100	blade F4060	




ACCESSORIES

HOLSTER		TIP CLEANER	
ref.	picture	ref.	picture
F4545 sterile holster for pencils	 CE 2797	F7520 sterile tip cleaner 50 x 50 mm radiopaque marker adhesive backing	 CE 2797

REUSABLE ADAPTERS FOR HAND SWITCH PENCILS

ref.	pencil connector	ESU connector	compatibility	picture
F4831	Valleylab	protected 4mm plug	Berchtold, Martin	 CE
F4832	Valleylab	5mm plug	Erbe ACC/ICC	
F4833	Valleylab	4mm plug	Erbe T series	

REUSABLE ADAPTERS FOR FOOT SWITCH PENCILS

ref.	pencil connector	ESU connector	compatibility	picture
F4830	4mm plug	8mm plug	Bovie, Soxil, Bard, Valleylab, Burdick	 CE
F4834	4mm plug	6mm plug	Alsatom	
F4835	3,2mm plug	8mm plug	Bovie, Soxil, Bard, Daniell' Ag e Cvs, Neomed, Valleylab, Burdick, Ems	 F4835 F4836
F4836	3,2mm plug	4mm plug	Martin, Siemens, Erbe, Alsa, Laser	
F4837	3,2mm plug	4mm plug	Martin, Blendtome, Emc, Acmicron, Erbe, Cobi	 F4837 F4838
F4838	3,2mm plug	8mm plug	Alsatom, EB SS4/MMSB	






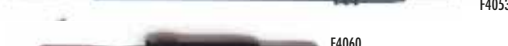



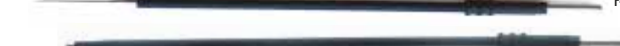




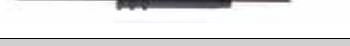





ELECTRODES

DISPOSABLE ELECTRODES







A very wide range of disposable and reusable electrodes allows to match every customer need. Stainless steel disposable electrodes can be supplied also with teflon or titanium coating; tungsten disposable electrodes are available in some needle configurations and in many loop sizes too.

STAINLESS STEEL Ø 2,38 mm SHAFT			
ref.	length	shape	picture
F4044	70mm	SPHERE Ø 4mm	
F4046	70mm	BLADE	
F4046/S	50mm (44mm sleeve)	BLADE	
F4048	70mm	NEEDLE	
F4048/S	69mm (63mm sleeve)	NEEDLE	
F4049	54mm	SPHERE Ø 2mm	
F4050	153mm	BLADE	
F4050/S	153mm (147mm sleeve)	BLADE	
F4052	152mm	NEEDLE	
F4052/S	152mm (146mm sleeve)	NEEDLE	
F4053	100mm	BLADE	
F4067	156mm	SPHERE Ø 4mm	
F4067/5	157mm	LONG SPHERE Ø 5mm	
STAINLESS STEEL WITH TEFLON COATING Ø 2,38 mm SHAFT			
ref.	length	shape	picture
F4044/TEF	70mm	SPHERE Ø 4mm	
F4046/TEF	70mm	BLADE	
F4046S/TEF	70mm (65mm sleeve)	BLADE	
F4048/TEF	70mm	NEEDLE	
F4048S/TEF	70mm (65mm sleeve)	NEEDLE	
F4050/TEF	150mm	BLADE	
F4050S/TEF	150mm (145mm sleeve)	BLADE	
F4052/TEF	150mm	NEEDLE	
F4053/TEF	100mm	BLADE	
F4053S/TEF	100mm (95mm sleeve)	BLADE	
F4067/TEF	150mm	SPHERE Ø 4mm	
STAINLESS STEEL WITH TITANIUM COATING Ø 2,38 mm SHAFT			
ref.	length	shape	picture
F4044T	70mm	SPHERE Ø 4mm	
F4046T	70mm	BLADE	
F4048T	70mm	NEEDLE	
F4050T	153mm	BLADE	
F4052T	152mm	NEEDLE	
F4067T	156mm	SPHERE Ø 4mm	
TUNGSTEN Ø 2,38 mm SHAFT			
ref.	length	shape	picture
F4051/TU/108	108mm (104mm sleeve)	NEEDLE	
F4051/TU75	75mm (71mm sleeve)	NEEDLE	
F4048/TU	65mm (61mm sleeve)	NEEDLE	
F4051/TU	55mm (51mm sleeve)	NEEDLE	
F4051/45TU	55mm (51mm sleeve)	NEEDLE	
F4042/TU	55mm (51mm sleeve)	NEEDLE	
F4047/TU	45mm (41mm sleeve)	NEEDLE	
LOOP TUNGSTEN Ø 2,38 mm SHAFT			
ref.	length	shape	picture
F4620	10x3mm	ROUND	
F4621	10x5mm	ROUND	
F4622	10x7mm	ROUND	
F4623	10x10mm	ROUND	
F4624	15x10mm	ROUND	
F4625	20x10mm	ROUND	
F4630	10x4mm	SQUARE	
F4631	10x8mm	SQUARE	
F4632	10x10mm	SQUARE	
F4640	30x5mm	TRAPEZOIDAL	
F4641	23x13mm	REVERSED CURVED	
F4642	17x12mm	TRIANGULAR	

REUSABLE ELECTRODES

STAINLESS STEEL Ø 2,38 mm SHAFT			
ref.	length	shape	picture
F4045	156mm	SPHERE Ø 4mm	 F4045
F4045/10	156mm	SPHERE Ø 4mm, 10°angled	 F4045/10
F4045/20	156mm	SPHERE Ø 4mm, 20°angled	 F4045/20
F4045/30	156mm	SPHERE Ø 4mm, 30°angled	 F4045/30
F4045/40	156mm	SPHERE Ø 4mm, 40°angled	 F4045/40
F4053R	100mm	BLADE	 F4053
F4060	69mm	BLADE	 F4060
F4061	100mm	ROUND NEEDLE, 20°angled	 F4061
F4062	150mm	CURVED BLADE	 F4062
F4063	152mm	NEEDLE Ø 0,78mm	 F4063
F4064	150mm	SPHERE Ø 2.5mm	 F4064
F4065	153mm	BLADE	 F4065
F4066	152mm	NEEDLE Ø 1.30mm	 F4066
F4068	70mm	SPHERE Ø 4mm	 F4068
F4084	69mm	NEEDLE Ø 0,75mm	 F4084
F4086	69mm	NEEDLE Ø 1.30mm	 F4086
STAINLESS STEEL Ø 4 mm SHAFT			
ref.	length	shape	picture
F4064/4	55mm (51mm sleeve)	BLADE	 F4060/4
F4065/4	160mm	BLADE	 F4065/4
F4068/4	50mm	SPHERE Ø 4mm	 F4068/4
F4084/4	55mm	NEEDLE Ø 0,8mm	 F4084/4

EXTENSIONS

DISPOSABLE		
ref.	length	picture
F4902	102mm	 F4902
F4903	150mm	 F4903
F4904	182mm	 F4904
REUSABLE		
ref.	length	picture
F4952	102mm	 F4952
F4953	150mm	 F4953
F4954	182mm	 F4954

GROUNDING PADS

Grounding pads are available adult, paediatric and neonatal. Disposable models have tab or cable connection. Reusable grounding pads, connection cables and adapters complete the range.

DISPOSABLE GROUNDING PADS

ADULT						
ref.	dimensions	baking	active surface	REM	cable	connection
F7820	202X101mm	FOAM	118cm ²	YES	NO	Tab Connection
F7820W/V	202X101mm	FOAM	118cm ²	YES	300cm	Valleylab connector
F7820W/6.3	202X101mm	FOAM	118cm ²	YES	300cm	Ø6.3mm bipolar connector

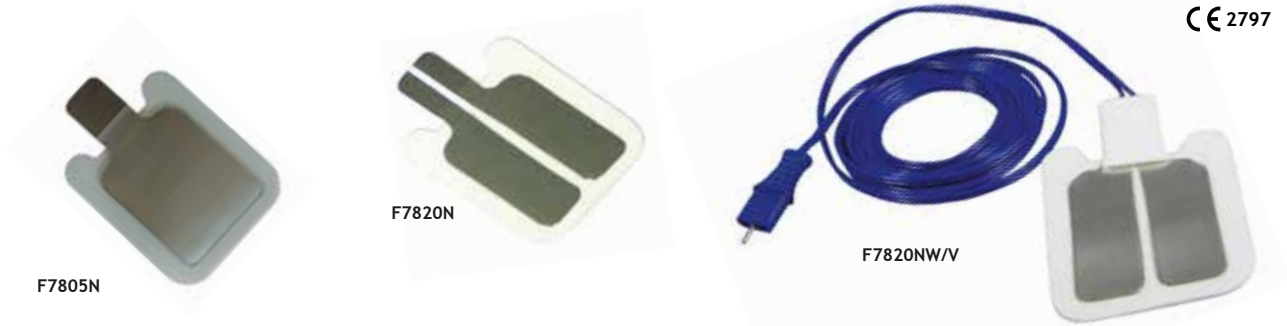


PAEDIATRIC						
ref.	length	shape	active surface	REM	cable	connection
F7805P	148x90mm	FOAM	78cm ²	NO	NO	Tab Connection
F7805PW/V	148x90mm	FOAM	78cm ²	NO	300cm	Valleylab connector
F7820P	148x90mm	FOAM	72cm ²	YES	NO	Tab Connection
F7820PW/V	148x90mm	FOAM	72cm ²	YES	300cm	Valleylab connector



NEONATAL

ref.	dimensions	baking	active surface	REM	cable	connection
F7805N	88x74mm	FOAM	36cm ²	NO	NO	Tab Connection
F7820N	88x74mm	FOAM	33cm ²	YES	NO	Tab Connection
F7820NW/V	88x74mm	FOAM	33cm ²	YES	300cm	Valleylab connector



VERSATILE

ref.	dimensions	baking	active surface	REM	cable	connection
F7320	164x117mm	FOAM	107cm ²	YES		Tab Connection
F7320W/V	150x108mm	NON WOVEN	107cm ²	YES	300cm	Valleylab connector



CONNECTION CABLES FOR DISPOSABLE GROUNDING PADS

ref.	connector	length	picture
F7902	Universal 6.3mm mono Jack	500cm	
F7902/4	4mm plug	500cm	
F7902/24	Double 4mm plug	500cm	
F7903	Valleylab type (ESU with REM)	500cm	
F7903/F	Valleylab type (ESU without REM)	500cm	
F7904	Special 6.3mm mono jack for ERBE: ACC, ICC, VIO, T	500cm	

REUSABLE ADAPTERS FOR DISPOSABLE GROUNDING PADS

ref.	connector	picture
F4828	from Valleylab to 4mm plug	
F4829	from Valleylab to 6.3mm plug	

REUSABLE GROUNDING PADS

GROUNDING PADS						
ref.	dimensions	baking	active surface	REM	cable	connection
F7930	200x150mm	Silicone	250cm ²	YES	NO	4 mm Socket



CE 2797

CONNECTION CABLES FOR REUSABLE GROUNDING PADS

ref.	connector	cable length	picture
F7922	 Universal 6,3 mm MONO JACK	500cm	 CE
F7922/WB	 Universal 6.3mm MONO JACK without derivation box	500cm	
F7922/24	 DOUBLE 4 MM PLUG	500cm	
F7923	 VALLELAB TYPE (ESU WITH REM)	500cm	
F7924	 6,3 mm MONO JACK (ESU WITHOUT REM)	500cm	

ELECTROCAUTERIES

FIAB sterile cautery pens are used in haemostasis, granting a fast and precise cauterization of small blood vessels. They are extremely easy to handle, thanks to an internal long life battery; several models are available, different from each other for working temperatures (1200°C, 800°C and 600°C), shape, thickness and length of the cautery tip.

The available range allows to choose a cautery pen that perfectly matches the clinical demands of the procedure.



F7244



F7234



F7277



F7288



F7255



F7266



F7255UF

DISPOSABLE CAUTERIES

SERIES	HIGH TEMPERATURE CAUTERIES				MED. TEMPERATURE CAUTERY	LOW TEMPERATURE CAUTERIES	
	HTC				MTC	LTC	
REF	F7244	F7266	F7234	F7277	F7288	F7255	F7255UF
TIP SHAPE	FINE	LARGE	FINE	FINE	THICK	FINE	ULTRA FINE
TIP LENGTH (mm)	28	28	75	125	28	28	28
TEMPERATURE AT THE ACTIVATION (°C / °F)	1200 / 2200				800 / 1400	600 / 1100	
POWER SUPPLY (V)	3,0				3,0	1,5	
DIAMETER (MM)	16				16	16	
WEIGHT (GR)	65	65	78	78	65	45	45



LARGE TIP



FINE TIP



THICK TIP



ULTRA FINE TIP

REUSABLE CAUTERIES

SERIES	LOW TEMPERATURE CAUTERY AND TIP		HIGH TEMPERATURE CAUTERIES AND TIPS			
	LTC		HTC			
REF	F7297	F7298F	F7299	F7298F	F7298L	F7298FG
TIP SHAPE	--	FINE	--	FINE	LARGE	FINE
TIP LENGTH (mm)	12	3	18	3	3	12
TEMPERATURE AT THE ACTIVATION (°C / °F)	600/1100	--	1200 / 2200	--	--	--
POWER SUPPLY (V)	1,5	--	3,0	--	--	--
DIAMETER (MM)	16	--	16	--	--	--
WEIGHT (GR)	48	2	65	2	2	8



NERVE LOCATOR

NEUROPACER is a sterile battery operated disposable device. It has been developed for identification of exposed motor nerves during microsurgery operations, in order to protect them by any damage. Neuropacer is particularly intended for plastic surgery and surgery of head, neck and hands. The device is supplied complete with an active electrode and a subcutaneous reference needle. A safety system allows the device to be switched on just immediately before use. An alternating and pulsating current guarantees a safe and effective stimulation.

Neuropacer

F1745 Disposable, sterile, battery operating, nerve locator complete with active electrode and grounding needle





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