

Electrosurgery & Smoke Evacuation range

Introduction

Eurosurgical Ltd was founded in 1988 to specialise in the sales and marketing of surgical equipment, instruments and devices to the medical profession in a wide variety of disciplines.

Our Electrosurgical range is detailed in this catalogue and covers a wide variety of surgical specialties, including (but not limited to) breast, general, orthopaedic, gynaecology/colposcopy, ENT, maxillofacial, plastic, vascular neuro and paediatric. The products feature our complete range of diathermy surgical smoke (plume) removal, including our ClearAir2 Smoke Evacuation system, monopolar diathermy fingerswitch pencils with a variety of electrode tips, our unique monopolar forceps with smoke extraction and our reusable patient return electrode pad.

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Prima Medical Clean Air 2™

Surgical Smoke (plume) Evacuation System

Surgical plume is created by the vaporising of human tissue by surgical electro-cautery. This noxious and odorous by-product contains both organic and inorganic matter. Plume can also obscure visualisation of the tissue which could be a potential patient safety hazard. The plume falls into two categories; chemical and bacteriological, both of which have their own health risks.

The Prima Medical Clean Air 2 Surgical smoke evacuation system is designed to remove surgical plume particles and odour from the operating theatre, using an advanced filter system ULPA (Ultra low penetration air filter) that captures 99.999% of both categories of surgical plume.





Daily replacement filter

Providing infection control and superior patient safety, our ClearFilter provides dynamic ULPA filtration whilst addressing concerns about the presence of bio-contaminants in the operating theatre resulting from the use of long-life filters.



Weekly replacement filter

The accompaniment to ClearAir2, our GreenFilter offers powerful ULPA filtration and superior ergonomics, minimising surgical interruption and keeping theatres safe from harmful aerosols.

Product REF	
PMS900SE	ClearAir2 Surgical Plume Evacuation Unit
CFU-001	CLEAR Daily Replacement ULPA filter for ClearAir2 Unit
GFU-001	GREEN Weekly Replacement ULPA filter for ClearAir2 Unit

Supervac - Telescopic Smoke Evacuation **Fingerswitch**

Supervac has been specifically designed to meet the demands of surgeons. It is slimline, lightweight and offers optimal visualisation, even when working in cavities and areas of restricted vision.

- Buttons float up and down the barrel offering telescopic function for deep cavity surgery using only one product
- Length easily adjusts in seconds.
- 360 degree swivel on back of product and non kink tubing prevents hand fatigue
- Maximum suction output over 85 Litres per minute.
- Rocker Buttons are very sensitive and light to touch, also helping reduce surgical fatigue



Product REF	NPC Code		QTY
PMS6300N	FDJ2388	SuperVac smoke evacuation fingerswitch with non-stick blade electrode and nose cone	20
PMS6305N	FDJ3658	SuperVac smoke evacuation fingerswitch with modified non stick blade electrode	20
PMS6301N	FDJ3640	SuperVac smoke evacuation fingerswitch with non-stick blade electrode and microdissection needle	20
PMS6303N		Supervac smoke evacuation fingerswitch with ceramic blade electrode	20
See pages 11-14 f	or full range		

^{*}All products with 4 metre cable, 3 metre tubing and terminated with three pin electrosurgery plug.

Options available with Supervac



PMS6300N - with standard non stick blade electrode and nose cone (Compatible nose cone. with all other >70mm electrodes)



PMS6301N - with tungsten microdissection needle and



PMS6305N - with non stick electrode, shielded 5mm tip and



PMS6303N - Supervac smoke evacuation fingerswitch with ceramic blade

Other compatible electrodes supplied separately



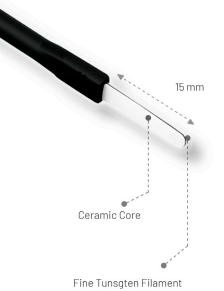




Shielded needle

Additional electrodes for use with Supervac

Prima Medical, scalpel electrode (ceramic blade) incorporates Peripheral Plasma Blade technology, a fine wire element at the edge of a non-conductive core. This focused geometry creates a spark plasma at the blade edge, resulting in clean tissue dissection with minimal thermal injury.



- Quick and precise cutting through dense breast tissue when performing reduction mammaplasty and mastectomy.
- Quickly elevates abdominal flap and reduces or eliminates seroma in abdominoplasty.
- Reduces thermal tissue injury, yet easily dissects fatty tissue without increasing power settings.
- Minimizes necrotic zone to help reduce circulation complications in skin flaps.

Electrodes compatible with Supervac with nose cone attached 70 mm



PMS2951 Non stick blade electrode 70mm, shielded tip Single use. Pack of 10



PMS2922 Non stick needle electrode 70mm, Single use. Pack of 10



PMS2972 Non stick needle electrode 70mm, shielded tip, Single use, Pack of 10



PMS1654 Tungsten micro dissection needle 70mm, Single use. Pack of 10



PMS2909 Non stick ball electrode 70mm, Single use. Pack of 10



PMS3951 Ceramic blade electrode 70mm, single use. Pack of 10.

Colposcopy loop electrodes



PMS1742S Colposcopy loop electrode, 70mm, 10mm x 10mm, Single use. Pack of 10



PMS1747S Colposcopy loop electrode, 70mm, 15mm x 12mm, Single use. Pack of 10

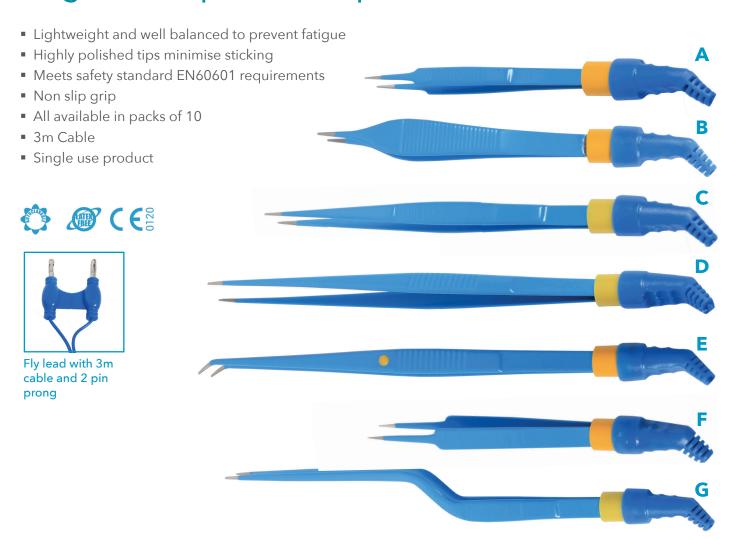


PMS1751S Colposcopy loop electrode, 70mm, 20mm x 12mm, Single use. Pack of 10



PMS1745S Colposcopy loop electrode, 70mm, 20mm x 15mm, Single use. Pack of 10

Single Use Bipolar Forceps



Product REF	NPC Code	
FR-700-1105C FR-720-1210C	FDJ2323 FDJ2402	McPherson Bipolar Forceps, Straight, 0.5mm Tip, 10.8cm Length, 3M Cable, Single Use Adson Bipolar Forceps, 1.0mm Tip, 12.1cm Length, 3M Cable, Single Use
FR-730-1505C	FDJ2371	Straight Bipolar Forceps, 0.5mm Tip, 15.2cm Length, 3M Cable, Single Use
FR-730-1510C FR-730-1810C	FDJ3655	Straight Bipolar Forceps, 1.0mm Tip, 15.0cm Length, 3M Cable, Single Use Straight Bipolar Forceps, 1.0mm Tip, 18.0cm Length, 3M Cable, Single Use
FR-730-2010C FR-731-2010C	FDJ2342 FDJ3626	Straight Bipolar Forceps, 1.0mm Tip, 20.3cm Length, 3M Cable, Single Use Straight Bipolar Forceps, 1.0mm Angled Tip, 20.3cm Length, 3M Cable, Single Use
FR-750-1105C FR-760-1610C	FDJ2393 FDJ3622	Jeweler no.5 Bipolar Forceps, Straight, 0.5mm Tip, 11.4cm Length, 3M Cable, Single Use Jensen Bayonet Bipolar Forceps, 1.0mm Tip, 16.5cm Length, 3M Cable, Single Use
FR-760-2010C	FDJ3662	Jensen Bayonet Bipolar Forceps, 1.0mm Tip, 20.3cm Length, 3M Cable, Single Use
FR-760-2210C FR-760-2410C	FDJ3641 FDJ3627	Jensen Bayonet Bipolar Forceps, 1.0mm Tip, 22.0cm Length, 3M Cable, Single Use Jensen Bayonet Bipolar Forceps, 1.0mm Tip, 24.0cm Length, 3M Cable, Single Use
	FR-700-1105C FR-720-1210C FR-730-1505C FR-730-1510C FR-730-1810C FR-730-2010C FR-731-2010C FR-750-1105C FR-760-1610C FR-760-2010C FR-760-2210C	FR-700-1105C FDJ2323 FR-720-1210C FDJ2402 FR-730-1505C FDJ2371 FR-730-1510C FDJ3596 FR-730-1810C FDJ3655 FR-730-2010C FDJ2342 FR-731-2010C FDJ3626 FR-750-1105C FDJ2393 FR-760-1610C FDJ3622 FR-760-2010C FDJ3662 FR-760-2210C FDJ3641

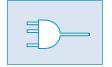
Macroseal - Monopolar Forceps With Smoke Evacuation

Macroseal Monopolar forceps - the only monopolar forcep to utilise smoke evacuation. Furthermore it is the worlds only monopolar forcep that is truly hand activated, Pressing buttons on the side of the forcep body will activate electrosurgery. Macroseal offers flexibility for the user and can also be activated by footswitch.

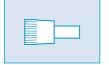
- No footswitch required
- Integral smoke evacuation
- Complete control to the surgeon
- Macroseal-2 is activated by pressing buttons on the side continued pressure activates the electrosurgery power.











10/22mm smoke evacuation connector

Product REI	=	ΩТΥ
PMS8812	Hand activated Monopolar Forceps, with smoke evacuation, 1.2mm Tips	20

^{*}All products with 4 metre cable, terminated with three pin electrosurgery plug.

Electrosurgery Fingerswitch Range



PMS252 - Box of 25 Single Use fingerswitch pencil with 70mm nonstick blade electrode





PMS254 - Box of 25 Single Use fingerswitch pencil with 70mm shielded nonstick blade electrode



Easy cleaning of tip. No scratch pad required!





PMS252NBH PMS254NBH





Available with safety holster

High Temperature Shielded Tip Electrodes

- New modified high temperature resistant PTFE insulation withstands temperatures up to
- Shielded tip electrodes offer a greater level of safety when working in cavities and areas of restricted vision, preventing unwanted contact with unintended tissue.
- Improved safety

Product REF	NPC Code		QTY
PMS252	FDJ2414	Single use sterile fingerswitch with non-stick blade electrode, 3m cable	25
PMS254	FDJ3646	Single use sterile fingerswitch with non-stick blade electrode, shielded tip, 3m cable	25
PMS252NBH	FDJ2385	Single use sterile fingerswitch with non-stick blade electrode, 3m cable, with holster	25
PMS254NBH		Single use sterile fingerswitch with non-stick blade electrode, shielded tip, 3m cable, with holster	25

Retract Micro Dissection Needle

Retract is a small scale fingerswitch that contains an ultra sharp tungsten needle. The considered ergonomics of the device offers a greater level of accuracy in microsurgical procedures, especially when working around the eyes.

The soft touch buttons are placed close to the operative site to offer optimal control, more like writing with a pen.

Retract is furthermore a safety device - the needle lives inside the handle and is only extended to use the device. It can then be fully retracted when not in use and for safe disposal.

The Surgeon's 'ballpen'

Control is absolute, so close to the operating tip that it becomes an extension of the finger, no bending or lateral movements, perfect balance between the user and microdissection surgery.

The Nurse's friend

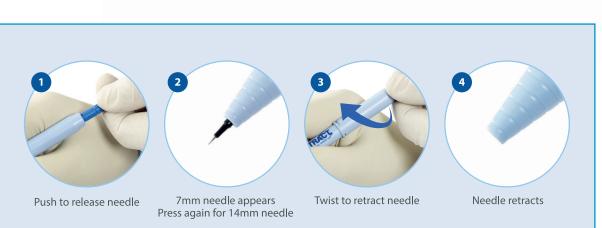
Needlestick injuries are minimised with the retracting needle: press to release and twist to retract back into the safety of the handle

Three products in one

Two needles and handle all in one product







Product REF	NPC Code		QTY
PMS8001	FDJ3629	Retract electrosurgery fingerswitch with retractable micro dissection needle	10

PTFE Coated - Nonstick Electrodes

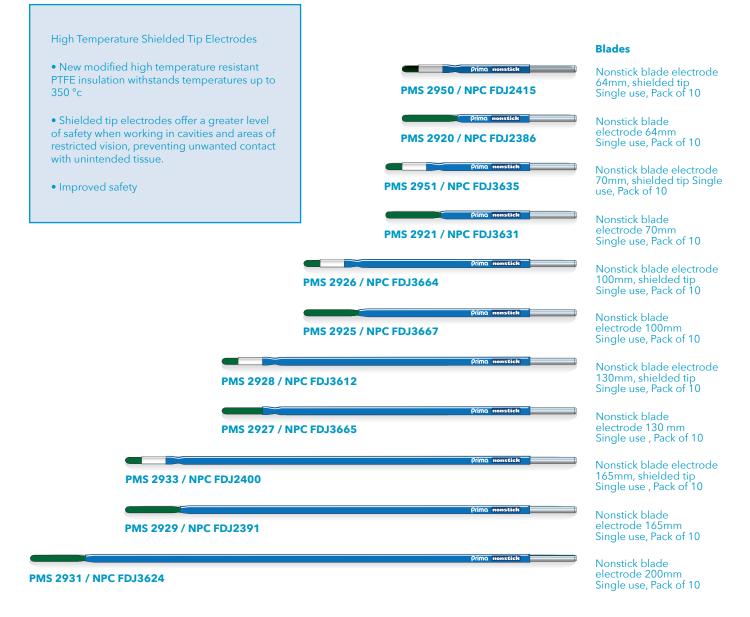
Electrosurgery electrodes - where technology matters...

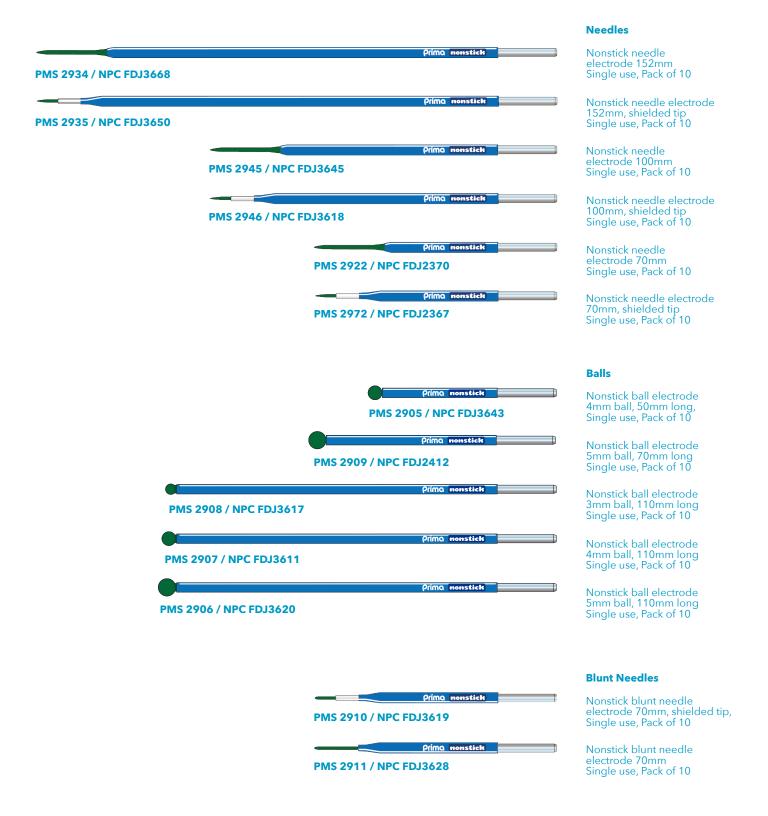
The build-up of carbonised material (eschar) on the electrosurgery tip during surgery is radically reduced with the Prima nonstick PTFE coated electrodes.

The eschar layer prohibits the electrosurgery current being passed through the electrode, necessitating higher output settings which can cause damage to the peripheral tissue. Prima nonstick electrodes are designed to focus the energy on the target tissue, making surgical time more productive.

- Focussed electrosurgery
- Quicker procedures
- Easy cleaning of tip
- Lower power settings
- Reduction of peripheral damage







Cotswold - Tungsten Micro dissection needles

Cotswold microdissection needles

Cotswold microdissection needles offer improved cutting and coagulation performance, whilst minimising thermal spread, offering the surgeon the precision required for exceptionally fine dissection in a wide variety of procedures.

Precise electrosurgery

The Cotswold needle tungsten tip remains sharp throughout the procedure. With a melting point greater than 3420°C, the needle will not become blunt, especially at the low power settings.

The effective alternative

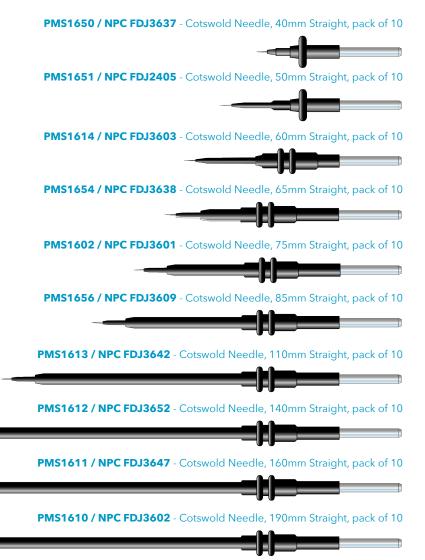
The fine tungsten tip of the Cotswold needle allows for greater accuracy to be achieved at very low power settings, in both cut and coag modes. This accuracy cannot be achieved with traditional stainless steel needles. Due to the extremely small surface area, a focused spark plasma is created at very low power ettings, almost eliminating tissue drag and thermal damage, which could cause scarring.

Single use product*

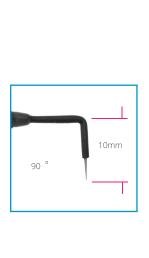


Safe - Unique fingertip allows for easy insertion and extraction, without limiting vision and prevents needlestick injuries





Electrosurgery Range 5mm PMS1696 / NPC FDJ3630 - Cotswold Needle 100mm shaft, 5mm 45° angled needle, pack of 10 10mm 45 °



45° Angled Needles 5mm Tip PMS1692 / NPC FDJ3615 - Cotswold Needle 30mm shaft, 5mm 45° angled needle, pack of 10 PMS1693 / NPC FDJ3606 - Cotswold Needle 40mm shaft, 5mm 45° angled needle, pack of 10 PMS1694 / NPC FDJ2335 - Cotswold Needle 55mm shaft, 5mm 45° angled needle, pack of 10 PMS1695 / NPC FDJ3610 - Cotswold Needle 75mm shaft, 5mm 45° angled needle, pack of 10

PMS1697 / NPC FDJ3616 - Cotswold Needle 130mm shaft, 5mm 45° angled needle, pack of 10

45° Angled Needles 10mm tip

PMS1653 / NPC FDJ3598 - Cotswold Needle 30mm shaft, 10mm 45° angled needle, pack of 10

PMS1631 / NPC FDJ3639 - Cotswold Needle 40mm shaft, 10mm 45° angled needle, pack of 10



PMS1655 / NPC FDJ3666 - Cotswold Needle 55mm shaft, 10mm 45° angled needle, pack of 10



PMS1603 / NPC FDJ2387 - Cotswold Needle 65mm shaft, 10mm 45° angled needle, pack of 10



PMS1605 / NPC FDJ3649 - Cotswold Needle 75mm shaft, 10mm 45° angled needle, pack of 10



PMS1623 / NPC FDJ3599 - Cotswold Needle 100mm shaft, 10mm 45° angled needle, pack of 10



90° Angled Needles

PMS1660 / NPC FDJ3656 - Cotswold Needle 30mm shaft, 10mm 90° angled needle, pack of 10



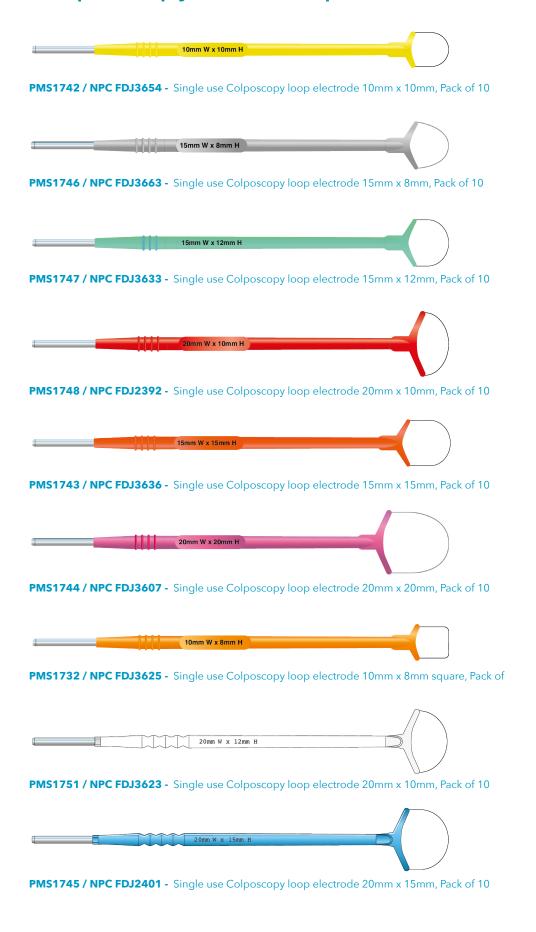
PMS1661 / NPC FDJ3669 - Cotswold Needle 40mm shaft, 10mm 90° angled needle, pack of 10



PMS1662 / NPC FDJ3605 - Cotswold Needle 55mm shaft, 10mm 90° angled needle, pack of 10



Colposcopy Lletz Loops



Available in 135mm length and 70mm option for use with SuperVac. Ball Electrodes also available see page 12

Nonstick Laparoscopic Electrodes with Cable

A range of laparoscopic electrodes which offer faster, cleaner and safer procedures during laparoscopic surgery.

Eschar build up is a common problem associated with electrosurgery; greatly increasing the impedance or resistance of the tip, thus requiring higher output of electrosurgery power with increased risk to the patient.

Nonstick coating resists eschar build up; reintroduction of the electrode is minimised as it seldom has to be removed for cleaning. When cleaning is necessary the eschar can easily be removed with a sterile damp sponge.



With 3mm Universal Cable with 8mm and 4mm Monopolar Jack Connector 4 metre long cable can be detatched from Laparoscopic Hook

LES104FC / NPC FSH039 - 33cm lap hook with cable

Non stick Laparoscopic L- Hook



Non stick Laparoscopic L- Hook



Each Laparoscopic Hook comes with a pre-attached but detachable universal cable, with both 4mm and 8mm monopolar pin connection.

Universal Bipolar Cables

Fits US and European bipolar instruments

This innovative and patented universal bipolar cable fits both US and European fitting bipolar instruments.

- Always have the correct cable
- Save money by having a single product Reduce stock level requirements

Up to 100 autoclave cycles





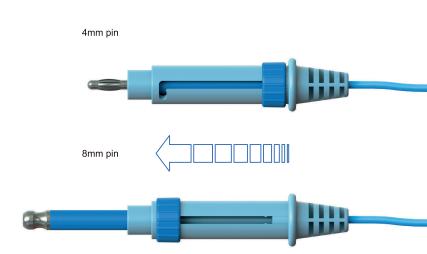
Dolley EMC	М	M-30 4m cable
Twin 4mm pin, Erbe Int. Eschmann, Alsa MCD series	S	S-30 4m cable
Bowa, EMC, Erbe Int. Ethicon, Lamidey, Valleylab Coa comp, Olympus, Soering, Conmed 5000	V	V-30 4m cable

Universal Monopolar Cables

One cable fits all!

2 in 1

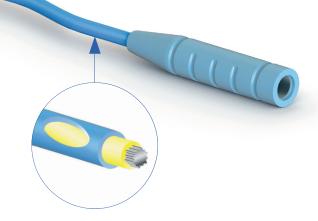
- Always have the correct cable
- Reduce stock level requirements
- Economic, effcient, environmentally effective



*For 100 autoclave cycles

The Universal Cable

- See breaks before they occur yellow colour shows through if outer insulation is damaged
- Double insulated for safety in medical grade silicone up to 6000Vp



Product REF		UOM
PMS8700	Universal reusable monopolar cable 4m long	each
B50	Reusable monopolar cable with 4mm connector	each
C50	Reusable monopolar cable with 8mm connector	each



4.8mm UK instrument



4mm Laproscopic



Monitor usage Up to 100 autoclave cycles

Electrosurgery Footswitches

This new range of Prima "Easyclean" electrosurgery footswitches is produced in a special latex free, synthetic rubber - easy to clean!

Non-slip and water tight, the "Easyclean" range of footswitches are designed to resist the most caustic cleaning agents used in hospitals today. Your guarantee of safety and reliability.

- Easy to clean
- Non slip
- Latex free
- Resists caustic cleaning agents



		Yellow (cut)	Blue (coag)	Black	White	Twin
	3pin Conmed			FS212	FS213	
	4pin Conmed/Aspen					FS250
INECTOR	4pin Valleylab, Megadyne					FS206
OR CON	3pin Valleylab, Megadyne Bipolar			FS210	FS211	
GENERATOR CONNECTOR	Birtcher			FS555		
9	Erbe Bipolar				FS501	
	Eschmann 800 Series	FS209	FS2117			FS370



Reusable Patient Return Electrode Pad

Improved Safety



- Enhanced patient protection
- Eliminates adhesive related injuries, particularly for patients with sensitive/fragile skin
- No direct skin contact, safeguards against risk of return site burns
- No hazard posed by jewellery, tattoos, piercings and implants

Improved Patient Benefits



- Key product in helping NHS towards Net Zero commitment
- No skin prep required and no shaving
- For use with patients of all sizes
- Reduced costs and waste versus sticky pads
- Pads helps reduce pressure induced injuries

Improved Patient Comfort

No hair removal, no skin burns, and no adhesive related injury.

Surgery Positioning Guide



Lateral Positioning Surgery



Prostrate Positioning Surgery

Additional Advantages



- Radiolucent
- ✓ Latex Free
- Compatible with all major brands of electrosurgical generators. Available in single cable and double cable configurations.

Reusable, Cost Effective and Environmentally Friendly

- Reusable up to 24 months.
- Limit stocking levels and reduce waste, environmentally friendly

Increased Simplicity



Easy set up with no need to find and prepare a suitable site for sticky plates.



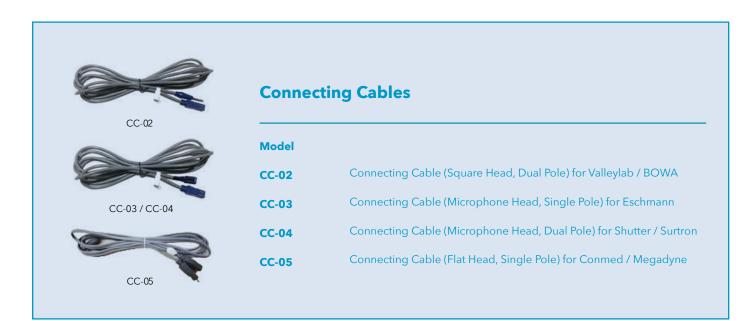
Lithotomy Positioning Surgery



Supine Positioning Surgery

Patient Return Electrode Pad

- Enhanced patient protection safeguards against risk of return site burns
- Eliminates adhesive related iniuries, particularly for patients with sensitive/fragile skin
- No hazard posed by jewellery, tattoos, piercings and implants
- No skin prep required and no shaving
- For use with patients of all sizes
- Reduced costs versus sticky pads plus associated consumables
- Reduced costs on waste removal
- Significant savings combined with Environmental benefits
- 2 year lifespan and is indemnified for 2 years





Videos for more information on the products







Supervac



Macroseal



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