Ecg
Electrosurgery
Oxygen therapy
Electrophysiotherapy
## ECG

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Disposable multifunction electrodes for defibrillation, cardioversion, transcutaneous cardiac stimulation and ECG monitoring, to meet the different needs of the clinician with just one product. Models are available with clip connection or with a cable of the right length and safety antishock connector that allows the direct connection to the devices of the main defibrillators brands, present on the market: Philips/Agilent, Zoll, Medtronic Physiocontrol, Schiller, Welch Allyn, Nihon Kohden, etc. FIAB defibrillation electrodes are available in adult, paediatric and radiotransparent version.
These models have been intended for external cardiac stimulation.
REUSABLE ECG ELECTRODES AND ACCESSORIES

Reusable Peripheral clamp electrodes

Adult
F9024SSC Silver/Silver Chloride electrode
F9024Ni Nickel plated electrode
F9024OSSC as F9024SSC - obese
F9024ONi as F9024Ni - obese

Paediatric
F9023SSC Silver/Silver Chloride electrode
F9023Ni Nickel plated electrode

Suction chest electrodes

Silver Silver Chloride suction chest electrodes
F9008SSC ø 15 mm
F9009SSC ø 24 mm
F9016SSC ø 30 mm

Nickel plated suction chest electrodes
F9008Ni ø 15 mm
F9009Ni ø 24 mm
F9016Ni ø 30 mm

Silver Silver Chloride suction chest electrodes with rubber ring
F9002SSC ø 24 mm
F9003SSC ø 30 mm

Nickel plated suction chest electrodes with rubber ring
F9002Ni ø 24 mm
F9003Ni ø 30 mm

Reusable peripheral plate electrodes

F9010SSC Silver/Silver Chloride adult
F9010PSSC Silver/Silver Chloride paediatric

Rubber belts for reusable ECG electrodes

F9011P Rubber belt width 18mm, length 260mm - paediatric
F9011PG Rubber belt width 25mm, length 480mm - adult
PG913/15 Rubber belt width 100mm, length 1500mm - six sets of hol
PG905/99 Non traumatic plastic button to fasten rubber belt

The models here described are just intended for ECG procedures. The complete range of rubber belts is shown in the Physiotherapy section.
### Electroconductive Gel

**G005** - Gel G005 is a very good conductor, especially studied to cancel the resistance between skin and electrodes. Crystal-looking, it is without string effect. Gel G005 is fully watersoluble, odourless and easily removable; it does not stain, does not grease and does not contain any active principles that can oxidize or leave permanent residues on the electrodes. The high conductivity remains uniform during the time, in order to the particular requirements of long or difficult analysis. The dyes and preservatives used for G005 are nontoxic and strictly in accordance with the regulations in force.

**G004** - Electroconductive spray with hygienic and degreasing action. Excellent to prepare skin for application of disposable electrodes. Does not oxidize and leaves no residue on the electrodes. Thanks to its unique composition and its content of degreasing and disinfectant substances, it allows the reuse of reusable electrodes without frequent cleanings, increasing at the same time the life of electrodes and the hygienic intercourse from patient to patient.

### Light beryllium electrodes

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>F9027</td>
<td>Light beryllium electrode, neonatal, Ø 12 mm (triangular, plastic), 28 cm wire, Ø 4 mm socket</td>
</tr>
<tr>
<td>F9028</td>
<td>Light beryllium electrode, paediatric, Ø 12 mm, 28 cm wire, Ø 4 mm socket</td>
</tr>
<tr>
<td>F9029</td>
<td>Light beryllium electrode, adult, Ø 20 mm, 28 cm wire, Ø 4 mm socket</td>
</tr>
<tr>
<td>F9029Q</td>
<td>Light beryllium electrode, adult, Ø 25 mm, 28 cm wire, Ø 4 mm socket</td>
</tr>
<tr>
<td>F9029/60</td>
<td>Light beryllium electrode, adult, Ø 20 mm, 60 cm wire, Ø 4 mm socket</td>
</tr>
</tbody>
</table>

### Double adhesive medical disks to fix reusable electrodes

<table>
<thead>
<tr>
<th>Code</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>F9026B</td>
<td>Ø ext. 40mm; Ø inter. 16mm</td>
</tr>
<tr>
<td>F9026C</td>
<td>Ø ext. 30mm; Ø inter. 14mm</td>
</tr>
<tr>
<td>F9026D</td>
<td>Ø ext. 30mm; Ø inter. 10mm</td>
</tr>
<tr>
<td>F9026F</td>
<td>Ø ext. 10mm; Ø inter. 8mm</td>
</tr>
</tbody>
</table>

### Snap connection cables with safety plug for Holter

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>F9022D</td>
<td>length 60 cm</td>
</tr>
<tr>
<td>F9052D</td>
<td>length 90 cm</td>
</tr>
<tr>
<td>F9032D</td>
<td>length 120 cm</td>
</tr>
</tbody>
</table>

- Snap connection cables with safety 1,5 mm Din Socket
- Snap connection cables with safety 2 mm Plug

F9022S  | length 60 cm                     |
F9052S  | length 80cm                      |
The several years experience in the production of ECG electrodes leads FIAB to obtain a more than complete range of disposable electrodes, that includes products specifically studied for emergency procedures, long and short term monitoring, Holter, stress test, telemetry, monitoring in the operating theatre, etc.

TNT and FOAM electrodes have been studied to meet the different requirements of operators and patients, always granting excellent quality features.

All models, even the neonatal and paediatric ones, are equipped with adhesive hypoallergenic gel specially studied to grant a strong adhesive force while allowing an easy and painless removal from the skin after use, therefore significantly reducing the risk of skin irritation; some models, equipped with a special liquid gel, grant the maximum contact with the skin, further improving the performances of the SSC sensor and granting ECG recording without movement artifacts, avoiding any particular skin preparation and usually without a preventive tricotomy.

Small size models allow the use of the same electrodes of the same family both on adults and paediatric patients. Moreover, for standard tests, it is particularly useful to have electrodes with appropriate connections allowing direct connection to the standard 4 mm plugs of the normal ECG cables, avoiding the use of adaptors.

---

**FOAM ECG disposable versatile electrodes**

- **F9047/4F**
  - 4 mm socket connection
  - solid gel - 28x44 mm

- **F9047**
  - clip connection
  - hydrogel - 32x44 mm

- **F9067**
  - clip connection
  - hydrogel - 48x50 mm (oval)

**Foam ECG disposable electrodes with solid gel and SSC sensor-clip connection**

- **F9060**
  - adult - 50x48mm
- **F9069RM**
  - adult - 43x45mm
  - radiolucent,
- **F9060P**
  - paediatric - ø 40 mm
- **F9069PRM**
  - paediatric - 32x36 mm
  - radiolucent,
**DISPOSABLE ELECTRODES FOR ECG**

**Disposable pre-gelled electrodes**

Foam ECG disposable oval electrodes with solid gel and SSC sensor - clip connection
- F9049 adult - 33x51 mm
- F9079 adult - 43x45 mm
- F9079P paediatric - 32x36 mm

Non-woven ECG disposable electrodes with solid gel and SSC sensor - clip connection
- F2060 adult - ø 55 mm
- F2060P paediatric - ø 40 mm

Non-woven ECG disposable oval electrodes with solid gel and SSC sensor - clip connection
- F2079 adult - 43x45 mm
- F2079P paediatric - 32x36 mm

Foam small disposable electrodes with solid gel and SSC sensor - clip connection
- PG10S ø 26 mm

Disposable pre-gelled tab electrodes with solid gel, particularly intended for short term monitoring (Emergency Room); it can be connected to the cables with suitable alligator connector
- F3001ECG 34x22 mm
- F3001NECG 13x34 mm
DISPOSABLE ELECTRODES FOR ECG

Disposable electrodes with wire

Disposable pre-gelled electrodes; connection wire length 30cm with insulated 4mm socket.

- **F9053**: paediatric - Ø 32 mm
- **F9053N**: neonatal - 23x30 mm
- **F9053RM**: paediatric translucent - Ø 32 mm
- **F9053NRM**: neonatal translucent - 23x30 mm

Disposable pre-gelled electrodes with connection wire length 50cm.

- **F9058N**: neonatal - 23x30 mm
- **F9058NRM**: neonatal translucent - 23x30 mm
**Adapters for disposable electrodes**

Adapters between clip electrodes and cables with 4 mm plug

- **PG-922/4TR** red
- **PG-922/4TN** black
- **PG-922/4TV** green
- **PG-922/4TG** yellow
- **PG-922/4TB** white

**PG-922/4Kit** Kit composed by 10 adapters: 6 white, 1 black, 1 red, 1 green, 1 yellow which allow connection between clip connection and cables 4mm plug.

Alligator adapters with socket connector; it makes compatible the connection of an ECG cable with 4 mm banana plug to electrodes with tab connection.

- **F9019/R** red
- **F9019/N** black

Universal adapters with 4mm socket for snap & alligator connection

- **F9017R** red
- **F9017N** black
- **F9017V** green
- **F9017G** yellow
- **F9017B** white

**F9017Kit** kit composed by 10 adapters: 6 white, 1 black, 1 red, 1 green, 1 yellow

**Connection cables**

- **F9021F4** 60cm length, guillotine connection 4mm socket
- **F9022F4** 60cm length, snap connection 4mm socket
- **F9022F2** 60cm length, snap connection 2mm socket
The large range of cables manufactured by Fiab includes models with 4 mm plug or snap connection; the available connectors permit the compatibility with most of the ECG devices present on the market (on request a list of connectors is available).

For each model of cable both the version with or without protection from defibrillation discharges are available.
Disposable electrosurgical pencils

Sterile hand switch Electrosurgical pencils with cutting/coagulating start button. Universal tripolar moulded Valleylab type connector

- F4798 standard removable disposable blade
- F4798/WB without electrode
- F4798A with needle electrode
- F4798P with ball electrode
- F4798L with long blade electrode
- F4798AL with long needle electrode
- F4798PL with long ball electrode
- F4798T with Titanium coated blade electrode

Sterile hand switch Electrosurgical pencils with cutting/coagulating start button. Universal tripolar moulded Valleylab type connector, cable length 5 mt

- F4798/5 standard removable disposable blade
- F4798/5WB without electrode

Sterile Kits for electrosurgery

- F4798/H hand switch pencil with holster models F4798+F4545
- F4798/75 hand switch with sterile tip cleaner pad - models F4797+F7520
- F4798/75H hand switch with holster and sterile tip cleaner pad models F4798+F7520+F4545

Sterile hand switch electrosurgical pencils with Erbe connector, cable length 320 cm

- F4798/ERB standard removable disposable blade
Disposable electrosurgical pencils

Disposable foot control electrosurgical pencils

Sterile foot control electrosurgical pencils with 3,2 mm universal unipolar connector, cable length 320 cm
- F4390 standard removable disposable blade
- F4390WB without electrode
- F4390A with needle electrode
- F4390P with ball electrode
- F4390L with long blade electrode
- F4390AL with long needle electrode
- F4390PL with long ball electrode

Sterile foot control electrosurgical pencils with 3,2 mm universal unipolar connector, cable length 500 cm
- F4390/5 standard removable disposable blade
- F4390/5WB without electrode

Sterile foot control electrosurgical pencils with 4,0 mm plug connection
- F4390/4M standard removable disposable blade

Sterile Kits for electrosurgery
- F4390/H foot control pencil with holster models F4390+F4545
- F4390/75 foot control with sterile tip cleaner pad models F4390+F7520
- F4390/75H with holster and sterile tip cleaner pad models F4390+F7520+F4545
Electrosurgical disposable grounding pads

Disposable grounding pads with solid gel

Unipolar grounding pads with solid gel
- F7805 adult, active surface 132 cm²
- F7805P paediatric, active surface 78 cm²
- F7805N neonatal, active surface 36 cm²

Unipolar grounding pads with cable length 280 cm and Valleylab type connection cable
- F7805W/V adult, active surface 132 cm²
- F7805PW/V paediatric, active surface 78 cm²

Unipolar grounding pads with cable length 300 cm and bipolar connector Ø 6.3 mm
- F7805W/6.3 adult, active surface 132 cm²
- F7805PW/6.3 paediatric, active surface 78 cm²

Unipolar grounding pads with cable length 500 cm and bipolar connector Ø 6.3 mm
- F7805W/6.3-5 adult, active surface 132 cm²
- F7805PW/6.3-5 paediatric, active surface 78 cm²
Electrosurgical disposable grounding pads

<table>
<thead>
<tr>
<th>Disposable grounding pads with solid gel</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bipolar REM type (Return Electrode Monitor) grounding pads with solid gel</td>
</tr>
<tr>
<td>F7820</td>
</tr>
<tr>
<td>F7820P</td>
</tr>
<tr>
<td>F7820N</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Bipolar REM type grounding pads with cable length 280 cm and Valleylab type connection cable</th>
</tr>
</thead>
<tbody>
<tr>
<td>F7820W/V</td>
</tr>
<tr>
<td>F7820PW/V</td>
</tr>
<tr>
<td>F7820NW/V</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Bipolar REM type grounding pads with cable length 500 cm and Valleylab type connection</th>
</tr>
</thead>
<tbody>
<tr>
<td>F7820W/V-5</td>
</tr>
<tr>
<td>F7820PW/V-5</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Bipolar REM type grounding pads with cable length 500 cm and bipolar connector 6.3 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>F7820W/6.3-5</td>
</tr>
<tr>
<td>F7820PW/6.5-5</td>
</tr>
</tbody>
</table>
Disposable grounding pads with hydrogel

Versatile non woven unipolar grounding pads with Hydrogel
F7305 150x108 active surface 114cm²

Versatile non woven grounding pads with Hydrogel; unipolar with cable length 300 cm and Valleylab type connection
F7305W/V 150 x 108, active surface 114cm²

Versatile non woven bipolar REM type grounding pads with Hydrogel
F7320 150 x 108 active surface 107cm²

Versatile bipolar (REM Type) non woven grounding pads with Hydrogel; cable length 300 cm and Valleylab type connection
F7320W/V 150 x 108 active surface 107cm²
### Connection cables for disposable ground pads

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>F7902</td>
<td>Cable length 5 m, bipolar connection Ø 6,3mm (universal)</td>
</tr>
<tr>
<td>F7902/4</td>
<td>Cable length 5 m, Ø 4,0mm plug connection</td>
</tr>
<tr>
<td>F7902/24</td>
<td>Cable length 5 m, double Ø 4,0mm plug connection</td>
</tr>
<tr>
<td>F7903</td>
<td>Cable length 5 m, Valleylab type connection</td>
</tr>
<tr>
<td>F7903/F</td>
<td>Cable length 5 m, for Valleylab Force 1-2-4-4B generator</td>
</tr>
</tbody>
</table>

### Reusable Adapters

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>F4828</td>
<td>Adapter for electrosurgical ground pad for Ø 4 mm plug connection</td>
</tr>
<tr>
<td>F4829</td>
<td>Adapter for electrosurgical ground pad for Ø 6,3 mm Jack mono connection</td>
</tr>
</tbody>
</table>
Thanks to their features, FIAB reusable handpieces allow every operating demands, making them extremely reliable in a wide range of electro-surgical practices.

The waterproof qualities in the distal section of the device are ensured by a special silicon “O-ring” that prevents liquids infiltration and protects the operator from electric shocks.

The silicon-insulated cord withits high resistance and flexibility, results extremely user-friendly during all the operating sessions, and enables numerous sterilisations in the autoclave.

The range of different connector models allows a direct connection of these devices to almost any high frequency electro-surgical instruments (electroscalpels) on the market; specific adapters are available for special needs.

In the manual command models, size, shape and pressure-sensitivity of the cutting/coagulating start buttons are designed to offer the operator an excellent tactile perception, thus assuring optimal use.

Hand switch electrosurgical pencils with removable blade electrode

<table>
<thead>
<tr>
<th>Model</th>
<th>Connector and Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>F4141</td>
<td>with universal Valleylab type connector, cable length 300 cm</td>
</tr>
<tr>
<td>F4141/ERB</td>
<td>with 5mm ERBE type connector</td>
</tr>
<tr>
<td>F4151</td>
<td>with universal Valleylab type connector, cable length 500 cm</td>
</tr>
</tbody>
</table>
Reusable Electrosurgical Pencils

- **Hand switch electrosurgical pencils with removable blade electrode**
  - F4243: with screwfixing, cable length 320 cm
  
- **Hand switch electrosurgical pencils with removable blade electrode**
  - F4244: with universal Valleylab type connector, cable length 300 cm
  - F4254: with universal Valleylab type connector, cable length 500 cm

- **Foot control electrosurgical pencils with 4mm unipolar plug connector**
  - F4814: cable length 300 cm
  - F4814/5: cable length 500 cm
Reusable grounding pads for electrosurgery

Electrosurgical pads in silicone
150mm X 200mm unipolar and bipolar type

- **F7915** Unipolar version
  - active surface 266 cm²
- **F7930** Bipolar REM version
  - active surface 190 cm²

Connection cables
for reusable grounding pads

- **F7922** Ø 6,3 mm bipolar connection
- **F7922/4** as F7922 - with 4 mm plug connection
- **F7922/24** as F7922 - double 4 mm plug connection
- **F7923** as 7922 - universal Valleylab type connection
- **F7923/F** as 7922 - double 4 mm for Valleylab Force 1, 2, 4, 4B generator
Reusable adapters for electrosurgical pencils

Adapters for hand switch pencils
F4831 Velleylab pencil conntion, ø 4 mm protected plug ESU connection compatible ESU devices: Berchtold, Martin
F4832 Velleylab pencil conntion, ø 5 mm plug ESU connection compatible ESU devices: Erbe ACC/ICC
F4833 Velleylab pencil conntion, ø 4 mm plug ESU connection compatible ESU devices: Erbe Serie T series

Adapters for foot control pencils
F4830 ø 4 mm pencil conntion, ø 8 mm ESU connection compatible ESU devices: Bovie, Soxil, Bard, Valleylab Burdick
F4834 ø 4 mm pencil connection, ø 6 mm ESU connection compatible ESU devices: Alsatom
F4835 ø 3,2 mm pencil connection, ø 8 mm ESU connection compatible ESU devices: Bovie, Soxil, Bard, Danieli, Ag e Csv, Valleylab, Burdick, Ems, Neomed
F4836 ø 3,2 mm pencil conntion, ø 4 mm ESU connection compatible ESU devices: Martin, Siemens, Erbe, Alsa, Laser
F4837 ø 3,2 mm pencil conntion, ø 4 mm ESU connection compatible ESU devices: Martin, Blendtorne, Ac micron, Erbe, Cobi, Emc
F4838 ø 3,2 mm pencil connection, ø 6 mm ESU connection compatible ESU devices: Alsatom, EB SS4/MMSB
F4839 ø 3,2 mm pencil conntion, ø 10 mm ESU connection compatible ESU devices: Alsatom,
**Sterile disposable electrodes**

50 mm length
- F4046S insulated blade (up to 6 mm from the tip)

70 mm length
- F4044 ball Ø 4mm
- F4046 blade
- F4048 needle
- F4048S insulated needle (up to 6 mm from the tip)
- F4049 ball Ø 2 mm

Longer disposable electrodes - 150 mm length
- F4050 blade
- F4050S insulated blade (up to 6 mm from the tip)
- F4052 needle
- F4067 ball Ø 4mm

**Sterile disposable stainless steel Titanium coated electrodes**

70 mm length
- F4044T ball Ø 4mm
- F4046T blade
- F4048T needle

150 mm length
- F4067T ball Ø 4mm
- F4050T blade
- F4052T needle

**Sterile disposable Loop electrodes**

Curved loop
- F4620 10x3 mm
- F4621 10x5 mm
- F4622 10x7 mm
- F4623 10x10 mm
- F4624 15x10 mm
- F4625 20x10 mm

Square loop
- F4630 10x4 mm
- F4631 10x8 mm
- F4632 10x10 mm

Triangular loop
- F4640 Trapezoid loop 30x5 mm
- F4641 Reverse curved loop 23x13 mm
- F4642 Triangular loop 17x12 mm
Electrodes

Reusable electrodes

Ball Ø 4mm, 150 mm length
- F4045 straight
- F4045/10 10° angled bar
- F4045/20 20° angled bar
- F4045/30 30° angled bar
- F4045/40 40° angled bar

150 mm length
- F4063 needle
- F4065 blade
- F4062 angled bar

70 mm length
- F4068 ball Ø 4mm
- F4084 needle
- F4060 blade
- F4061 angled bar needle

Sterile abrasive tip cleaner pads

F7520 sterile, disposable, 50mm X 50mm

Holster for electrosurgical pencil

F4545 sterile, high resistance plastic, latex-free
Fiab disposable bipolar sterile cautery pens feature perfect haemostasis with fast and effective precision cauterization of small blood vessels. Being powered by an internal long life battery, they are extremely easy to handle; 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 range allows a wide variety operation for small incisions, resections or recesses to be cauterised effectively.

The disposable electrocauterities provide an excellent cost effective alternative to the radio frequency electrosurgical devices. The technology is especially suited to surgical procedures such as dermatological cauterizations, small gynaecological operations, haemostasis of pockets during pacemaker implantations, as well as cardiovascular, reconstructive and ophthalmologic surgery.

Here below the technical features of each model are summarized; low temperature model F7255, is particularly suitable for the ophthalmologic operations; model F7288 is particularly indicated for the release of painful haematomas under the nails, thanks to its stiff tip (it perforates the nail just by touching it); model F7277 is particularly useful in gynecology.

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

<table>
<thead>
<tr>
<th>MODEL</th>
<th>F7233</th>
<th>F7234</th>
<th>F7244</th>
<th>F7255</th>
<th>F7266</th>
<th>F7277</th>
<th>F7288</th>
</tr>
</thead>
<tbody>
<tr>
<td>TIP CONFIGURATION</td>
<td>FINE</td>
<td>FINE</td>
<td>FINE</td>
<td>LARGE</td>
<td>FINE</td>
<td>THICK</td>
<td></td>
</tr>
<tr>
<td>TIP LENGTH mm</td>
<td>50</td>
<td>75</td>
<td>28</td>
<td>28</td>
<td>28</td>
<td>127</td>
<td>28</td>
</tr>
<tr>
<td>TIP LENGTH inch</td>
<td>2</td>
<td>3</td>
<td>0,35</td>
<td>0,35</td>
<td>0,37</td>
<td>5</td>
<td>0,37</td>
</tr>
<tr>
<td>TEMPERATURE AT THE ACTIVATION °C</td>
<td>1200</td>
<td>1200</td>
<td>1200</td>
<td>600</td>
<td>1200</td>
<td>1200</td>
<td>800</td>
</tr>
<tr>
<td>TEMPERATURE AT THE ACTIVATION °F</td>
<td>2200</td>
<td>2200</td>
<td>2200</td>
<td>1100</td>
<td>2200</td>
<td>2200</td>
<td>1450</td>
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<tr>
<td>ACTIVATION PRESSURE gr</td>
<td>200</td>
<td>200</td>
<td>200</td>
<td>200</td>
<td>200</td>
<td>200</td>
<td>200</td>
</tr>
<tr>
<td>POWER SUPPLY V</td>
<td>3,0</td>
<td>3,0</td>
<td>3,0</td>
<td>1,5</td>
<td>3,0</td>
<td>3,0</td>
<td>3,0</td>
</tr>
<tr>
<td>DIAMETER mm</td>
<td>16</td>
<td>16</td>
<td>16</td>
<td>16</td>
<td>16</td>
<td>16</td>
<td>16</td>
</tr>
<tr>
<td>WEIGHT gr</td>
<td>78</td>
<td>78</td>
<td>59</td>
<td>45</td>
<td>59</td>
<td>78</td>
<td>59</td>
</tr>
</tbody>
</table>
F7297 and F7299 are reusable electrocauteries with replaceable batteries and tips. They are intended to be used in ambulatorial specialities where an accurate and quick cauterisation is required.

F7297 (working temperature of 600°C - 1100°F) is specific for oftalmology and must be used with the fine tip.

F7299 (working temperature of 1200°C - 2200°F) can be used for gynaecology, orthopedics, othorinolaringoiatry, urology and dermatology: for this model three sterile tips are available, fine, large and long tips.

Tips are supplied with a sterile protection sheat in PE, which must be used to protect electrocautery body when in use.
NEUROPACER is a sterile battery operated disposable device. It has been developed to identify the exposed motor nerves during microsurgery operations in order to avoid risks of unwanted damages. Neuropacer is particularly indicated 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 permits the activation of the device only immediately before use. An alternating and pulsating current guarantees a safe and effective stimulation.
FIAB designed a complete and multifunctional range of masks to fulfill any clinical need; these masks are soft, see-through, light, odourless, made from high quality resins; the adjustable mask straps and nose clip create a better and more comfortable fit for the patient. The Venturi masks, available both in adult and pediatric sizes, include 7 fixed percentage colour coded oxygen Diluters to obtain concentrations from 24% to 60%.

Soft High concentration mask with bag and sure flow tubing

<table>
<thead>
<tr>
<th>Mask Code</th>
<th>Description</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>OS/50</td>
<td>Adult mask</td>
<td></td>
</tr>
<tr>
<td>OS/50P</td>
<td>Pediatric mask</td>
<td></td>
</tr>
</tbody>
</table>

Soft Venturi type mask with sure flow tubing and 7 color adapters for variable oxygen concentration

<table>
<thead>
<tr>
<th>Mask Code</th>
<th>Description</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>OS/60K</td>
<td>Adult mask</td>
<td></td>
</tr>
<tr>
<td>OS/70K</td>
<td>Pediatric mask</td>
<td></td>
</tr>
</tbody>
</table>
**OXYGEN THERAPY**

**Oxygen - Aerosol Masks**

- **Soft Venturi type mask with 16 cm length corrugated tubing, flow tubing, cup and single variable regulator of oxygen concentration**
  - OS/62K adult
  - OS/72K paediatric

- **Soft Aerosol therapy mask with nebulizer and sure flow tubing**
  - OS/80 adult
  - OS/80T adult-tent mask
  - OS/80P paediatric

- **Soft medium concentration mask with sure flow tubing**
  - OS/100 adult
  - OS/100P paediatric
  - OS/100N neonatal
  - OS/100T adult-tent mask

- **Tracheotomy mask**
  - OS/110 adult
  - OS/110K adult - with Venturi system
  - OS/110P paediatric
Traditional Ray Ban type nasal cannula with soft nasal distributor
OS/15M single packed in polyethylene bag

American Tie type nasal cannula length 150 cm single packed in polyethylene bag
OS/12A
OS/12AXT length 250 cm
OS/12AT length 500 cm
OS/12PED paediatric
OS/12NEO neonatal

Extension tubing with female/female connection single packed in polyethylene bag
OS/40 length 200 cm
OS/400 length 500 cm

Extension tubing with male/female connection single packed in polyethylene bag
OS/41 length 200 cm
OS/410 length 500 cm
Humidifiers and Kits for Oxygen Therapy

**Humidifiers**

- Disposable Humidifier for oxygen with connection tubing
  - OS/3: not sterile, single packed in carton box

**Kit**

- Kit humidifier and nasal cannula OS/12A with connection tubing
  - OS/4M: not sterile, single packed in carton box
  - OS/16M: not sterile, single packed in PET box

- Humidifier with screw connection safety valve 5 PSI
  - OS/17-6: not sterile, single packed in carton box
Disposable conductive fully gelled electrodes

Clip connection electrodes
- PG 470 45x35mm
- PG 471 46x47mm
- PG 472 53x96mm
- PG 473 45x80mm
- PG 473/2 45x80mm - double clip connection
- PG 474 45x98mm
- PG 475 65x45mm
- PG 476 45x100mm

Tab electrodes
- PG 100 70x90mm
- PG 200 165x11mm
- PG 470L 45x35mm
- PG 471L 46x47mm
- PG 473L 45x80mm
- PG 474L 46x98mm
- PG 475L 65x45mm
- PG 476L 45x150mm

Disposable electrodes

Disposable conductive fully gelled electrodes

- PG 479/75 Ø 75mm
- PG 479/50 Ø 50mm
- PG 479/32 Ø 32mm
Disposable conductive fully gelled electrodes

Electrodes with wire and 2 mm socket
- PG 200W 20x155mm
- PG 470W 45x35mm
- PG 471W 46x47mm
- PG 473W 45x80mm
- PG 473W2 45x80 with double wire
- PG 474W 45x98mm
- PG 475W 65x45mm
- PG 476W 45x150mm

- PG 471/40W 40x40mm
- PG 471/50W 50x50mm

- PG 479/75W ø 75mm
- PG 479/50W ø 50mm
- PG 479/32W ø 32mm

Foam and Aluminium disposable electrodes

FOAM electrodes with solid gel and clip connection
- PG 10S Ø 26mm
- PG 20 67x28mm - bipolar
- PG 3010 41x21mm - bipolar
### Disposable and reusable electrodes

#### Foam and Aluminium disposable electrodes

<table>
<thead>
<tr>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dry FOAM electrodes</td>
<td>PG 15 150 X 45, with single belt in aluminium</td>
</tr>
<tr>
<td></td>
<td>PG 17 150 X 90, with double belt in aluminium</td>
</tr>
</tbody>
</table>

#### Disposable tab electrodes

<table>
<thead>
<tr>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PG 500</td>
<td>36 X 28</td>
</tr>
</tbody>
</table>

#### Reusable electrodes in conductive silicone

- **50X50mm**
  - PG 970/4: 4 mm socket
  - PG 970/2: 2 mm socket
  - PG 970/44: 4 mm plug
  - PG 970/22: 2 mm plug
  - PG 970/51: with 15 cm wire and 4 mm socket
  - PG 970/41: with 15 cm wire and 4 mm plug

- **60X85mm**
  - PG 980/4: 4 mm socket
  - PG 980/2: 2 mm socket
  - PG 980/44: 4 mm plug
  - PG 980/22: 2 mm plug
  - PG 980/51: with 15 cm wire and 4 mm socket
  - PG 980/41: with 15 cm wire and 4 mm plug

- **50X100mm**
  - PG 916/4: 4 mm socket
  - PG 916/2: 2 mm socket
  - PG 916/44: 4 mm plug
  - PG 916/22: 2 mm plug
  - PG 916/51: with 15 cm wire and 4 mm socket
  - PG 916/41: with 15 cm wire and 4 mm plug

- **80X120mm**
  - PG 912/4: 4 mm socket
  - PG 912/2: 2 mm socket
  - PG 912/44: 4 mm plug
  - PG 912/22: 2 mm plug
  - PG 912/51: with 15 cm wire and 4 mm socket
  - PG 912/41: with 15 cm wire and 4 mm plug
PHYSIOTHERAPY - TENS

Reusable electrodes and fastening rubber belts

Reusable electrodes in conductive silicone

Round - Ø 25mm
- PG 925/4 4 mm socket
- PG 925/2 2 mm socket
- PG 925/44 4 mm plug
- PG 925/22 2 mm plug

Round - Ø 50mm
- PG 950/4 4 mm socket
- PG 950/2 2 mm socket
- PG 950/44 4 mm plug
- PG 950/22 2 mm plug

Round silicone electrodes with insulated back side - 2 mm socket
- PG 960/55 ø 55mm
- PG 960/75 ø 75mm
- PG 960/95 ø 95mm

Silicone Reusable fully gelled electrodes
- PG 971/40G 40X40mm - 2 mm socket
- PG 971/50G 50X50mm - 2 mm socket
- PG 971/35G 30X45mm - 2 mm socket

Gel pad for PG971/xx
- PG 271/40 40X40
- PG 271/50 50X50
- PG 271/35 35X45

Rubber fastening belts

<table>
<thead>
<tr>
<th>band width</th>
<th>sets of holes</th>
<th>length</th>
<th>roll (30±1 m)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PG905</td>
<td>24 mm</td>
<td>150±4 cm 75±2 cm 50±1,5 cm 35±1 cm</td>
<td>PG905/15 PG905/8 PG905/5 PG905/3 PG905/55</td>
</tr>
<tr>
<td>PG910</td>
<td>32 mm</td>
<td>1</td>
<td>PG910/15 PG910/8 PG910/5 PG910/3 PG910/55</td>
</tr>
<tr>
<td>PG909</td>
<td>45 mm</td>
<td>2</td>
<td>PG909/15 PG909/8 PG909/5 PG909/3 PG909/55</td>
</tr>
<tr>
<td>PG911</td>
<td>75 mm</td>
<td>3</td>
<td>PG911/15 PG911/8 PG911/5 PG911/3 PG911/55</td>
</tr>
<tr>
<td>PG913</td>
<td>100 mm</td>
<td>6</td>
<td>PG913/15 PG913/8 PG913/5 PG913/3 PG913/55</td>
</tr>
</tbody>
</table>

PG905/99 Non traumatic plastic button to fasten rubber belt
Adapters

Snap adapters with 2 mm socket
PG 922/2TR red
PG 922/2TN black

Snap adapters with 2 mm plug
PG 922/2MR red
PG 922/2MN black

Snap adapters with 4 mm socket
PG 922/4TR red
PG 922/4TN black

Snap adapters with 4 mm plug
PG 922/4MR red
PG 922/4MN black

Alligator adapters with male snap
PG 922/MCR red
PG 922/MCN black

Snap adapters with male snap and 2mm plug
PG 922/2CR red
PG 922/2CN black

Alligator adapters
F 9019R with 4mm socket - red
F 9019N with 4mm socket - black
F 90192R with 2mm socket - red
F 90192N with 2mm socket - black

Universal adapters with 4mm socket for snap & alligator connection
F9017R red
F9017N black

Adapters for reusable pads
PG 997 from 2 mm socket to 2 mm plug
PG 998 from 4 mm socket to 4 mm plug
PHYSIOTHERAPY - TENS

Holding bags for reusable electrodes

Holding Bags

Synthetic buckskin
PG 970 for models with dim 50 x 50 mm
PG 980 for models with dim 60x85mm
PG 916 for models with dim 50X100mm
PG 912 for models with dim 80x120mm

Yellow spontex
PG 970S for models with dim 50X50mm
PG 980S for models with dim 60X85mm
PG 916S for models with dim 50X100mm
PG 912S for models with dim 80X120mm

Fuchsia spontex
PG 970SF for models with dim 50X50mm
PG 980SF for models with dim 60X85mm
PG 916SF for models with dim 50X100mm
PG 912SF for models with dim 80X120mm

Elastic fastening belts
with velcro male/female

Elastic blue belt - width 30 mm
PG 965/4 length 400 mm
PG 965/6 length 600 mm
PG 965/8 length 800 mm
PG 965/10 length 1000 mm

Elastic blue belt - width 80 mm
PG 945/4 length 400mm
PG 945/6 length 600mm
PG 945/8 length 800mm
PG 945/10 length 1000mm
PG 945/15 length 1500mm

Elastic blue belt - width 100 mm
PG 955/4 length 400mm
PG 955/6 length 600mm
PG 955/8 length 800mm
PG 955/10 length 1000mm
PG 955/15 length 1500mm
**PHYSIOTHERAPY - TENS**

*Liquid Gel for ultrasound and electrostimulation*

Gel ECO is a very good conductor for ultrasound; it is crystal-looking, salt-free and without string effect, watersoluble, drying resistant, odourless and easily removable; it does not grease and does not oxidize during time.

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>G006</td>
<td>260ml bottle</td>
</tr>
<tr>
<td>G008</td>
<td>260ml bottle</td>
</tr>
<tr>
<td>G007</td>
<td>1000ml bottle</td>
</tr>
<tr>
<td>G009</td>
<td>1000ml bottle</td>
</tr>
<tr>
<td>G0064</td>
<td>5000 ml flexible bag, supplied with 260 ml empty bottle</td>
</tr>
<tr>
<td>G0084</td>
<td>5000 ml flexible bag, transparent, suitable for IPL</td>
</tr>
<tr>
<td>G0066</td>
<td>5000 ml jerry can, supplied with 260 ml empty bottle</td>
</tr>
<tr>
<td>G0067</td>
<td>Reusable dispenser for 5000 ml jerry can</td>
</tr>
<tr>
<td>G0068</td>
<td>Reusable dispenser for 5000 ml flexible bag</td>
</tr>
</tbody>
</table>

![Gel ECO Images](image-url)
“All information concerning the products shown in this Catalogue do not replace what reported on the technical data sheets of the several devices; therefore we recommend to consult those technical data sheets in order to obtain complete instruction and data”
Since more than 40 years, FIAB SpA has been a leading manufacturer and marketer of medical devices and accessories for cardiology, surgery, respiratory therapy, physiotherapy and beauty care, as well as specialised instruments and devices for heart stimulation and electrophysiological examinations.

During the eighties FIAB acquired “CB Bioelettronica”, a leading Italian company in the temporary and transoesophageal cardiac stimulation sector, and at the same time, thanks to its R&D division, it independently developed a wide range of new products, giving rise to a remarkable increase in the products in its catalogue.

Thanks to its two manufacturing facilities and three Clean Rooms, the top quality and high technology of its products in the field of medical devices make of Fiab an important leader both on a national and international level for the supply of specialised products and services for public and private hospitals. The commercial structure of the company covers the entire national territory in a capillary manner and it exports to more than 90 countries worldwide.

FIAB’s strong points are definitely the experience gained over the years working together with a vast number of specialists in the sector, as well as its high quality standards – always focused to maximum flexibility in meeting the customer’s demands – and its outstanding technical and manufacturing capabilities.

The company has received the ISO 13485 certification from the British Standards Institution (BSI) for its Quality System and all FIAB products are CE marked, according to Directives 93/42/EEC and 90/385/EEC, under the control of the BSI (0086) and the Istituto Superiore di Sanità (0373) [Notified Bodies].