A COMPACT UNIT FOR LOCO-REGIONAL CHEMOHYPERTHERMIC ONCOLOGY TREATMENTS

Exiper

HIPEC  Abdominal or thoracic intraoperative Chemohyperthermic perfusions for the treatment of Peritoneal Carcinomatosis from Ovarian, Colorectal, Appendix and Gastric Cancer. Mesothelioma and Pseudomixoma

ILP  Hyperthermic Isolated Limb Perfusion for Melanoma in Transit and Sarcoma

STOP FLOW  Hypoxic Chemohyperthermic perfusion in extracorporeal circulation. Solid cancer in the thorax, abdomen or pelvic cavity

NEOPLASTIC ASCITES  Percutaneous abdominal chemotherapeutic “lavage” for the Palliative treatment of non responsive Neoplastic Ascites

The EXIPER units offer definitive solution to the problems responsible for the actual operating limits, making hyperthermic perfusion feasible, efficient and safe

- Fast to reach the temperature required regardless of the volume to be infused.
- Reliability and stability of the set parameters.
- Simple to set and manage by means of an interactive software.
- Safe both for patients and operators
SIMPLE AND COMPLETE
The unit, with three integrated peristaltic pumps, manages the fluid dynamics of the different therapies maintaining the hydro-hematological balance constant using a continuous ponderal control.

REAL TEMPERATURE OF THE PERFUSATE IN CAVITY
The extensible arm enables the heat exchanger to be placed close to the patient minimising the heat dissipation so that the perfusate temperature is precisely controlled.

RELIABLE AND RAPID
The patented heating system N° EP1951339B1 made up of high thermal efficiency heater and a miniaturised heat exchanger, enables the temperature set to be reached very rapidly and maintained at the standard required with maximum linearity thus guaranteeing appreciable reduction in the duration of the procedures.

SIMPLE TO MANAGE
A retro-illuminated 5.7” graphic colour screen, displays the treatment data, the operating parameters whereas the instructions and messages enable the various procedures to be set and carried out one after the other.

CLINICAL REPORT
All the treatment data and parameter are stored by the internal software and can be downloaded, using the USB port for record purposes.

DISPOSABLE-PATIENT KITS
The disposable lines required to carry out the procedures (Stop Flow, HIPEC, ILP and Ascites) are pre-assembled for a rapid and intuitive connection to the Exiper equipment.

TEMPERATURE PROBES
Exiper manages up to 10 temperature probes of which four are pre-positioned (two to control the input and output temperatures of the remote heat exchanger and two to control the input and output temperatures of the perfusion to the patient) and six available for reading the temperatures in other body areas.

TECHNICAL DATA
* Technical data can be changed without any notice

<table>
<thead>
<tr>
<th>Power Supply</th>
<th>230V (+/- 10%) 50 Hz - 115 V (+/- 10%) 60 Hz</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power absorbed</td>
<td>2.1 KW max a 230V</td>
</tr>
<tr>
<td>Class</td>
<td>Class 1 Type BF</td>
</tr>
<tr>
<td>Protection</td>
<td>Ip21</td>
</tr>
<tr>
<td>Operating temperature range</td>
<td>20...45 °C</td>
</tr>
<tr>
<td>Temperature Stability</td>
<td>+/- 0,01 °C</td>
</tr>
<tr>
<td>Setting temperature</td>
<td>Controlled by CPU card of the EXIPER</td>
</tr>
<tr>
<td>Heating system (*)</td>
<td>Heater + Tube bundle heat exchanger</td>
</tr>
<tr>
<td>Flows, Pressures, Volumes</td>
<td>Set according to the standards of the selected procedure</td>
</tr>
<tr>
<td>External dimensions (LxWxH)</td>
<td>750x660x1410</td>
</tr>
<tr>
<td>Weight</td>
<td>65 Kg</td>
</tr>
<tr>
<td>Standards</td>
<td>CEI EN 60601-1, CEI EN 60601-2-16, CEI EN 60601-1-4, CEI EN 60601-1-2, CEI 62-5</td>
</tr>
<tr>
<td>Classification CEI 60601-1</td>
<td>Class I type BF</td>
</tr>
<tr>
<td>Classification MDD 93/42</td>
<td>Class II-b</td>
</tr>
</tbody>
</table>

The EXIPER equipment, the single-patient lines and accessories are marked CE in compliance with medical equipment directives.

CODE | PRODUCT DESCRIPTION
--- | ---
M03223 | Exiper - Compact unit for oncological locoregional normo/hyperthermia treatments
M03262 | Kit for abdominal or thoracic Chemohyperthermic perfusion (HIPEC)
M03224 | Kit for Stop-Flow
M03341 | Kit for Isolated Limb Perfusion (ILP)
M03337 | Kit for Abdominal “Lavage” in neoplastic Ascites
M1024229 | Universal temperature probe

Rev. 1.2 Feb. ‘12