Low Temperature H2O2 Plasma Sterilizer With Vaporized Hydrogen Peroxide
PLAZSTER LINE
Hydrogen Peroxide Plasma Sterilizer (H2O2)

Once again B SCIENCE GLOBAL has raised the bargain and offers you state of the Art within Low Temperature H2O2 Plasma Sterilizer. The engineering has looked in to every aspect of the process - from each manufacturing part – to the user – to the servicing level. In every step you will find high level of engineering thoughts.

Being the Low Temperature H2O2 Plasma Sterilizer in the world covering most application needs, you will find that Our Low Temperature H2O2 Plasma Sterilizer has the lowest cost of ownership for sterilizing heat & moisture sensitive equipment in CDDS, Respiratory Endoscopy, and Gastroenterology clinics.

With easy installation – plug & play – you are up running right away. The unit is easy to relocate - it meets your location demands at any time.

As a Danish manufacture, one important key point for our company is Clean technology. Our Low Temperature H2O2 Plasma Sterilizer is therefor without any toxic left over from the sterilization process, have low energy usage and no water consumption.

Plazster line are certified with the Medical Device Directive 93/42 Class IIB.
Dokumentation for our Hydrogen Peroxide Plasma Sterilizer (H2O2)
## Technical Details

### Standard Features
- Low Temperature (37-55 °C) working principle
- Sterilize with H2O2 Vaporizing Technology
- Durable Lifelong Stainless Steel Chassis 316L
- Full colored Touch screen
- Preconditioning, Sterilization, Plasma, Aeration in one Chamber
- Integrated foot panel

### Technical Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>BS75</th>
<th>BS125</th>
<th>BS175</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Chamber Volume</strong></td>
<td>90 L</td>
<td>154 L</td>
<td>193 L</td>
</tr>
<tr>
<td><strong>External Dimension (mm)</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Width</td>
<td>680</td>
<td>680</td>
<td>850</td>
</tr>
<tr>
<td>Depth</td>
<td>860</td>
<td>860</td>
<td>905</td>
</tr>
<tr>
<td>Height</td>
<td>1750</td>
<td>1750</td>
<td>1820</td>
</tr>
<tr>
<td><strong>Inner Dimension (mm)</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Width</td>
<td>440</td>
<td>440</td>
<td>550</td>
</tr>
<tr>
<td>Depth</td>
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<td>700</td>
<td>700</td>
</tr>
<tr>
<td>Height</td>
<td>300</td>
<td>500</td>
<td>500</td>
</tr>
<tr>
<td><strong>Number of Trays</strong></td>
<td>2</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td><strong>Power (W)</strong></td>
<td>3200</td>
<td>3200</td>
<td>3200</td>
</tr>
<tr>
<td><strong>Current (A)</strong></td>
<td>16</td>
<td>16</td>
<td>16</td>
</tr>
<tr>
<td><strong>Voltage (V) 1-Phase 50-60 Hz</strong></td>
<td>220</td>
<td>220</td>
<td>220</td>
</tr>
<tr>
<td><strong>Weight (Kg)</strong></td>
<td>160</td>
<td>200</td>
<td>230</td>
</tr>
</tbody>
</table>

*Also available with double door*

We reserve the right to change specifications without notice. Subject to confirmation, availability and errors.
PLAZSTER
Introduces to you 3 Different Sterilization Programs

01
PlazSter has 3 different Sterilization programs:

02
Long Cycle: 45 minutes to sterilize flexible and semi-rigid instruments.

03
Lumen Cycle: 75 minutes to sterilize rigid, inflexible lumen shaped materials.
PLAZSTER Sterilizes Your Items by Following a Specified Stages

1. Heating Stage: Sufficient temperature is reached at this stage (37-55°C).
2. Leakage Test Stage: After reaching the adequate vacuum degree, chamber is tested for any leakage failure.
3. Aeration Stage: Before introducing H2O2 sterilant, air inside of the chamber is taken.
5. Vaporizing H2O2: Sterilant is being taken to vaporize.
6. Introducing H2O2: Sterilization is being initiated.
7. Sterilization Phase: Sterilant penetrates to the materials
8. PlazSter Plasma Occurrence: To reinforce the power of sterilant, PlazSter Plasma occurs and reaching any edge of the materials fulfilled.
10. Second Sterilization Stage: Vaporized H2O2 sterilant is being taken into chamber and penetration launches.
11. PlazSter Plasma Occurrence: To reinforce the power of sterilant, PlazSter Plasma occurs and reaching any edge of the materials fulfilled.

Thermal Printer

PLAZSTER is Integrated with Thermal Printer which Illustrates the All Related Stages of Your Sterilization

All stages and variables can be followed by the report after each cycle automatically
PLAZSTER is able to sterilize the heat and moisture sensitive surgical, plastic, organic, electromechanical tools. Here is some of the examples as a reference:

### ENDOSCOPES

<table>
<thead>
<tr>
<th>Rigid Endoscopes</th>
<th>Flexible Endoscopes</th>
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<tbody>
<tr>
<td>Laryngoscope</td>
<td>Bronchoscope</td>
</tr>
<tr>
<td>Arthroscopes</td>
<td>Ureteroscope</td>
</tr>
<tr>
<td>Laparoscopes</td>
<td>Hysteroscope</td>
</tr>
<tr>
<td>Trocar Cannula</td>
<td>Cystoscope</td>
</tr>
<tr>
<td>Trocar Sheaths</td>
<td>Choledochoscope</td>
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<tr>
<td>Resectoscope</td>
<td>Similar</td>
</tr>
</tbody>
</table>

### DEVICES - PRODUCTS

<table>
<thead>
<tr>
<th>Implants</th>
<th>Fiberoptic Light Cables</th>
</tr>
</thead>
<tbody>
<tr>
<td>Defibrillator Paddles</td>
<td>Laser Hand pieces</td>
</tr>
<tr>
<td>Electrocautery Instruments</td>
<td>Fibers Accessories</td>
</tr>
<tr>
<td>Esophageal Dilators</td>
<td>Ophthalmic Lenses</td>
</tr>
<tr>
<td>Cryo-probes</td>
<td>Patient Lead Cable</td>
</tr>
<tr>
<td>Dopplers</td>
<td>Radiation Therapy Equipment</td>
</tr>
<tr>
<td>Cranial Pressure Transducer Cables</td>
<td>Surgical Power Equipment</td>
</tr>
<tr>
<td>Cranial Pressure Transducer Cables</td>
<td>Batteries</td>
</tr>
<tr>
<td>Endoscopic Instruments</td>
<td>Power Drill</td>
</tr>
<tr>
<td></td>
<td>Ultrasound Probes</td>
</tr>
<tr>
<td></td>
<td>Video Cameras and Couplers</td>
</tr>
</tbody>
</table>

Products for Sterilization
CARTRIDGE

PLAZSTER Cartridge enables you to make 5 Cycles
Consists of %50 H2O2 and %50 H2O solution
Shelve life is 5 month

PACKAGING

Classic Sterilization Pouches and Wraps Can Be Used For Packaging With Sterilization Containers.
Hydrogen Peroxide Plasma Sterilizer is looking at challenges. PCD Test should be applied over time for the highest performance monitoring and validations.

PCD TEST FREE - HIGH LEVEL OF STERILIZATION ACCURACY

You can observe your sterilization results by biological indicators and chemical indicators.

BIOLOGICAL INDICATORS

CHEMICAL INDICATORS

You can observe your sterilization results by biological indicators and chemical indicators.
Mobil Air Sterilizer
Pathogen Ionizer

The new B Mobile Air Sterilizer device provides disinfection area, thanks to its innovative design & technical construction, which makes it fit for many applications. A must for many remote clinics, operating rooms, as well as households with patient that has low immune system.

B-SAFE LINE
Biological Safety Cabinet, Class II

First class protection for operator, environment and product. B Science Global Microbiological safety cabinet provides high protection for the operator, the product and the environment. It has homogeneous laminate air flow, adjustable speed for air flow, control of contamination from air. Design based on EN 12469.

CON20 BIO-TECH
Storage Unit

For remote areas with limited or no access to power supply, B Science Global offers the most innovative semi mobile CON20 cold storage as ISO containers working with Solar panel as main power supply. With the flexibility to increase your storage needs or change place of installation, all this is possible with the cost efficiency range of CON20 Cold Storage. Any temperature range configuration from +15° C to -70° C is available.
The History of B Science Global goes back to 1993 with the first equipment produced for the laboratories. Since the first equipment left the production facilities, the main goal has been to serve the laboratory, medical & pharmaceutical equipment market with optimal solutions putting the user in the middle.

We, at B Science Global do this with our key factors that we will never give up on:

- Innovation
- Entrepreneurship
- Hard Work

For us it is highly important to be the most innovative manufacture in the world. We believe that there is always possibility to think out of the box and bring innovative ideas to the table.

At B Science Global, we need to do so, if we want to be a leader in Entrepreneurship. In our understanding, it is not enough saying it, you must act accordingly to get the upmost result.

To stay Global as B Science Global are, we have no other choice than work Hard for all parts of the value chain. This we do best.

With your best regards

Bayram Kizil
General Manager & Partner
B Science Global
A Danish Manufacture of Lab Equipment
YOU CAN CONTACT US AT ANY TIME

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