Environmental Operation
Temperature: -20°C to 40°C / -68°F to 104°F
Humidity: 5% to 90%
Pressure: 700–1060 hpa

Storage and Transportation
Temperature: -20°C to 50°C / -68°F to 122°F
Humidity: 5% to 90%
Pressure: 700–1069 hpa

Manufactured for SybronEndo
A Division of Sybron Dental Specialties
Glendora, CA 91740
Tel: 800.346.ENDO  Tel: 714.516.7936
sybronendo.com

META BIOMED CO. LTD.
Cheonwon-gun, Chugbuk, Korea
Tel: +82.43.216.0433
meta-biomed.com

Technical & General
1A Dalling Road, London W6 OJD United Kingdom
Tel: +44.30.8834.7575
www.tgdent.com

System B Pack
System B Fill
INTRODUCTION

Thank you for purchasing the System B™ Cordless Obturation System! You are now an owner of the premier cordless obturation system.

Included in this manual are instructions for both the System B Pack and System B Fill devices. Read the manual carefully before operating the instruments.

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SPECIFICATIONS

| System B Pack | Dimension | 173mm x 30mm x 23mm (W x L x H) |
| System B Pack | Weight | 25g (Excluding battery) |
| System B Pack | Operating Voltage | 3.7V |
| System B Pack | Working Temperature | 180º-200ºC |
| System B Fill | Dimension | 190mm x 130mm x 28mm (W x L x H) |
| System B Fill | Weight | 40g (Excluding battery) |
| System B Fill | Operating Voltage | 3.7V |
| System B Fill | Working Temperature | 50ºC - 200ºC |
| Battery | SamsungSCI Co., Ltd. 1CR19650-22+3.7V >>> 2200mAh |
| Battery | SamsungSCI Co., Ltd. 1CR19650-22+3.7V >>> 2200mAh |
| Battery | LG Chemical Ltd. 1CR19650-22+3.7V >>> 2200mAh |
| Charger | Input 9V >>> |
| Adapter | Use only with Bridge Power Corp. JMW118KA0900F02 |
| Adapter | Input 100-240V 50/60Hz |
| Adapter | Output 9V >>> 2.0A |
| Adapter | Size: 48mm x 46mm x 32mm |

WARNINGS

• Failure to follow warning instructions could result in property damage, serious physical injury or loss of life.
• Connect power cord to outlet firmly.
• Do not use if cord or plug is loose or broken.
• Do not touch battery terminals to conductors.
• Do not touch electric parts with wet hands.
• Avoid contact with heated needles and tips to avoid burns.
• Do not disassemble. Disassembly will void warranty.
• Keep device(s) clean.
• Do not drop device(s).
• Dental use only.
• Do not immerse product in water.
• Only use with provided power cord (5-15 Type SJT, min. No. 18 AWG, 3-conductor terminating in molded on “Hospital Grade” plug (green dot), parallel plate, grounding type attachment plug, rated minimum 15 A, 125 V, 4.0 m long max. Cord should have a tag indicating that grounding reliability can only be achieved when the equipment is connected to an equivalent receptacle marked “Hospital Only” or “Hospital Grade”).
• Electrical Shock/Fire Danger. Do not leave any part of the device near a heating source.
• Keep away from children.
• Disconnect unit from outlet during severe weather.
• When disconnecting plug from outlet, pull by the plug head.
• When the unit is used together with other equipment in the patient area, the equipment shall be connected according to Standard UL 60601-1, CSA C22.2 No 6060101 and IEC 6060101.
• This equipment generates, uses, and can radiate frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to other devices in the vicinity. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to other devices, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of more of the following measures;
  o Reorient or relocated the receiving device.
  o Increase the separation between the equipment.
  o Connect the equipment into an outlet on a circuit different from that to which the other device(s) are connected.
  o Consult the manufacturer or field service technician for help.
CHARGING CORDLESS UNITS

1

\[ \text{Connect USB cord to charger and Pack Device.} \]

\[ \text{Connect USB cord to charger and Fill Device.} \]

\[ \text{USB cord is for charging battery only.} \]

\[ \text{Do not use provided adapter with any other product.} \]

\[ \text{USB cord is for charging battery only.} \]

\[ \text{Do not use provided adapter only. Danger of explosion or fire if correct adapter is not used.} \]

\[ \text{CAUTION: Do not use batteries which are not specified for this product.} \]

\[ \text{CAUTION: Always check that battery in the receiver is fully charged before use. Use only provided batteries, and never remove battery from receiver during procedure. If product is not used for an extended period of time, please separate battery from receiver unit.} \]

\[ \text{CAUTION: Danger of explosion or fire if damaged.} \]

\[ \text{CAUTION: Do not use batteries which are not specified for this product.} \]

\[ \text{CAUTION: Always check that battery in the receiver is fully charged before use. Use only provided batteries, and never remove battery from receiver during procedure. If product is not used for an extended period of time, please separate battery from receiver unit.} \]

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\[ \text{Do not use provided adapter only. Danger of explosion or fire if correct adapter is not used.} \]

\[ \text{Do not use provided adapter with any other product.} \]

\[ \text{CAUTION: Danger of explosion or fire if damaged.} \]

\[ \text{CAUTION: Do not use batteries which are not specified for this product.} \]

\[ \text{CAUTION: Always check that battery in the receiver is fully charged before use. Use only provided batteries, and never remove battery from receiver during procedure. If product is not used for an extended period of time, please separate battery from receiver unit.} \]

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\[ \text{CAUTION: Always check that battery in the receiver is fully charged before use. Use only provided batteries, and never remove battery from receiver during procedure. If product is not used for an extended period of time, please separate battery from receiver unit.} \]
SYSTEM B PACK OPERATING INSTRUCTIONS

1. Open battery cover
2. Insert battery
3. Replace battery cover

CAUTION: Do not use unit when charging with charging cord.

CAUTION: Do not touch electrical circuit or electrical parts when using unit.

Pack Tip
Operating Switch
Power/Select Switch
Operating Signal Light
Battery
Charging Jack
Battery Cover

ifu system b cordless:ifu touch n heat2  3/1/10  5:17 PM  Page 5
**SYSTEM B PACK OPERATING INSTRUCTIONS**

5. Before using Pack Unit, mount Tip into Unit.

6. Press Power/Select Switch to turn on. Toggle between low and high power settings by briefly pressing switch.

   - **Low power** = Green light (used for small Pack Tips and Resilon – XF, F, FM)
   - **High power** = Orange light (used for larger Pack Tips – M, ML)

7. Activate unit by pressing operating switch. When activated, tone will be heard and light will flash rapidly.

8. Turn off the power by holding down the Power/Select switch.

   - **CAUTION:** Don’t use the Unit when charging with the charging cord.

   **Note:** Light will flash slowly when battery needs to be recharged.

   - **CAUTION:** Do not use Unit when charging with the charging cord.
**SYSTEM B FILL OPERATING INSTRUCTIONS**

1. Open battery cover.

![Image of battery cover being opened.](image1)

2. Insert battery.

![Image of battery being inserted.](image2)

3. Replace battery cover.

![Image of battery cover being replaced.](image3)

4. **CAUTION:** Do not touch electrical circuit or electrical parts when using unit.

![Image of electrical components.](image4)

5. Attach needle and fasten tightly with multi-tool provided.

![Image of needle being attached.](image5)

6. Bend needle with tool provided.

![Image of needle being bent.](image6)

7. Position heat insulator.

![Image of heat insulator being placed.](image7)

8. **CAUTION:** You must place heat insulator on Unit prior to operation/heating to avoid burns.

![Image of heat insulator.](image8)

**CAUTION:** Do not bend needle more than once.

![Image of needle bending.](image9)
**SYSTEM B FILL OPERATING INSTRUCTIONS**

9 Pull out plunger.

10 Open filling material slot.

**CAUTION:** Only use one pellet at a time

11 Insert filling material.

12 Insert plunger.

**CAUTION:** To avoid damage to Device, load pellet prior to operation.

**CAUTION:** If plunger stops advancing, DO NOT FORCE. Pellet may not be to temperature or all material may have been extruded.

13 Press the power button until temperature is shown.

14 Adjust temperature using temperature control button. 
   “L” = Lower temperature. 
   “H” = Raise temperature.

15 Once fully heated, pull trigger slowly. The plunger will advance approximately 2mm when trigger is pulled. If filling material continues to flow after use, release plunger.

**CAUTION:** Do not operate if Device is not properly heated. 
Use new needle and heat insulator with each new application.

**Note:** Prior to removing used needles, extrude remaining material. Remove needle using tool provided. Replace plunger when it shows wear or is damaged.

**CAUTION:** Do not use Resilon® or RealSeal pellets above 180°C.

**Note:** Device is automatically preset to 160°C. It will take approximately two minutes to reach adjusted temperature.

**Note:** For use with RealSeal or Resilon products, the recommended temperature is 180°C.
CLEANING AND MAINTENANCE

1. Product should be cleaned after each use.
   Remove plunger.

2. Remove battery.

3. Remove heat insulator and dispose of appropriately.
   Remove needle using tool provided and dispose of in sharps container.

4. Soak cleaning brush in alcohol.

5. Clean cylinder using brush. Remove all visible filling material from threaded end of heating chamber.
   Repeat procedure until clean.

CAUTION: Ensure Devices are cool prior to cleaning.

Note: Plunger head is a consumable part. Replace when head shows wear.
STERILIZATION AND DISINFECTION

Pack Unit, Fill Unit, Stands and Charger
Instruments should be wiped down with a soft cloth moistened with any of the common nonabrasive, mild surface disinfectants containing alcohol. SybronEndo recommends CaviCide or CaviWipes by Metrex. Do not immerse these devices in liquid or allow liquids to enter the enclosures.

Tips, Needles, Heat Insulator and Multi-Tool

<table>
<thead>
<tr>
<th>Temperature 1</th>
<th>Temperature 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>121°C, 30 MIN</td>
<td>131°C, 25 MIN</td>
</tr>
</tbody>
</table>

TROUBLE SHOOTING

Unit does not activate
- Push power button and hold for 2 seconds
- Ensure battery is correctly inserted
- Replace battery with fully charged battery

Pack Unit does not work when operation button is pressed
- Ensure power/operation light is on
- Replace Pen Tip

Filling material does not extrude
- Ensure power is on
- Ensure pellet is in place
- Ensure temperature is set to 160°C or higher
- Replace needle
- Replace plunger head

Fill Unit temperature does not increase
- Replace battery with fully charged battery

DISPOSAL

This unit contains compounds that can pollute the environment if disposed of carelessly. Please contact your nearest representative office or your local environmental office in case of disposal of this unit.

Business users should contact their supplier and check the terms and conditions of the purchase contract. This product should not be mixed with other commercial wastes for disposal.

Battery: Recycle per local regulations.
Tips/Needles: Dispose of as sharps.

SYMBOLS

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>⚠️</td>
<td>Attention: Consult directions for use.</td>
</tr>
<tr>
<td>⚠️</td>
<td>Risk of shock</td>
</tr>
<tr>
<td>⚠️</td>
<td>Risk of burn</td>
</tr>
<tr>
<td>🔴</td>
<td>Autoclavable accessories as indicated in this manual</td>
</tr>
<tr>
<td>🔴</td>
<td>Do not dispose of in trash. Recycle per local regulations.</td>
</tr>
<tr>
<td>🔵</td>
<td>Type B applied part</td>
</tr>
<tr>
<td>🔴</td>
<td>Stand by</td>
</tr>
<tr>
<td>🔴</td>
<td>Stack up to 12 boxes</td>
</tr>
<tr>
<td>🔴</td>
<td>Serial number</td>
</tr>
<tr>
<td>🔴</td>
<td>Part number</td>
</tr>
<tr>
<td>🔴</td>
<td>EU Representative</td>
</tr>
<tr>
<td>🔴</td>
<td>Manufacture</td>
</tr>
<tr>
<td>🔴</td>
<td>Direct current</td>
</tr>
<tr>
<td>🔴</td>
<td>Alternating current</td>
</tr>
<tr>
<td>🔴</td>
<td>On (power connection)</td>
</tr>
<tr>
<td>🔴</td>
<td>Off (power connection)</td>
</tr>
</tbody>
</table>
WARRANTY AND EXCLUSIONS

Warranty
SybronEndo warrants the non-consumable components of System B Cordless obturation system to be free from defects in materials and workmanship for a period of two (2) years from the original date of purchase, in accordance with SybronEndo’s warranty regulations. The System B Cordless battery is warranted to be free of defects in materials and workmanship for a period of six (6) months. If the System B Cordless shows any defect within the specified warranty period that are not excluded from this warranty, SybronEndo shall, at its discretion, either replace or repair System B Cordless using suitable new or reconditioned parts. In the case other parts are used which constitute an improvement, SybronEndo may, at its discretion, charge the customer for the additional cost of these parts. If the warranty claim provides to be justified, the product will be returned to the user freight prepaid. Warranty claims other than those indicated herein, are expressly excluded.

Exclusion
Damages and defects caused by the following conditions are not covered by the warranty:
1. Improper handling/disassembly/modifying, neglect or failure to operate the unit in compliance with the instructions given in the Instruction for Use/User Manual.
2. Damages and defects caused by force majeure or any other condition that is beyond the control of SybronEndo.