

Revision 010

DESIGN SHEET

제품명 : 특별_51,52주용유방장치	사번 : 1091948	발행일자 :	제1444호 :
내장전원(배터리) :	일련 : 20191020		

17. SPECIFICATIONS

Product Name : S1, S2
 Model : Special_51,52
 Power consumption : 6WAS1Plus, 6WAS2Plus
 Adapter Input : 100~240V, 50/60Hz, 0.6A
 Output : 12V, 2A
 Battery : 11.1V 2000mAh Li-Polymer
 - 용량 추정



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1. Important Safeguards

Warnings and precautions
 When using electrical products, especially when children are present, basic safety precautions should always be followed.

1. If you are a mother who is infected with Hepatitis B, Hepatitis C or Human Immunodeficiency Virus(HIV), Pumping breast milk will not reduce or remove the risk of transmitting the virus to your baby through your breast milk.
2. Before each use visually inspect the individual components for cracks, chips, tears, discoloration or deterioration. In the event that damage to the device is observed, please discontinue use until the parts have been replaced.

Read all instructions before using.
 When using electrical products, basic safety precautions should always be followed.

To reduce the risk of electrocution:

1. Do not use while bathing.
2. Do not place or store product where it can fall or be pulled.
3. Do not place in or drop into water or other liquid.
4. Do not reach for a product that has fallen into water, unplug the product immediately.
5. Do not sanitize the kit in microwave oven, never immerse main body in water.

To reduce the risk of burns, electrocution, fire, or injury to persons :

1. This product should never be left unattended when plugged in.
2. Close supervision is necessary when the product is used near infants or child.
3. Use this product only of its intended use as described in this manual. Do not use attachments not recommended by the manufacturer.
4. Never operate this product if it has a damaged cord or plug. If it is not working properly, if it has been dropped or damaged, dropped in water, or if any parts are broken or missing.
5. Keep the cord away from heated surface.
6. Never use while sleeping or drowsy.
7. Do not use outdoors or operate where aerosol spray, Products are being used or where oxygen is being administered.
8. The power cord should be unplugged from the outlet when not in use.
9. Do not disassemble or modify the product when disassembled, the after sale service is not available.
10. Do not inhale or swallow small parts.
11. Allergic reactions may occur.
12. Lact. disc. (including sunlight), etc. can be unacceptably affect safety and essential performance.
13. AC/DC Adaptor must be easy to unplug position during usage, if you feel pain in your breast or nipple, turn the pump off or adjust the shut out and remove from your breast. Consult your healthcare professional (Suction can be broken by inserting finger between the breast and breast shield or by shutting the pump off).
14. BE CAREFUL NOT TO DROP PRODUCT, IF DROPPED OR IMPACTED, CONTACT NEARBY SERVICE CENTER.
15. DO NOT USE ACCESSORIES OF OTHER BRAND WITH THIS PRODUCT. BREAST SHIELD OF THIS PRODUCT IS COMPLYING WITH BIOCOMPATIBILITY OF MEDICAL DEVICE.

2. Important Symbols

WARNING!
 The breast shield kit is a single user product and use by anyone other than the original owner may present health risks, affect performance integrity.

3. Indication for use

The Spectra S1Plus / S2Plus is a powered breast pump to be used by lactating women to stimulate, express and collect milk from their breasts. It can be used in case of breastfeeding problems. The Spectra S1Plus / S2Plus is intended for multiple users. The breast shield kit is for personal use only.

4. Components and Assembly

NOTE : Parts may vary by country.

Before using the Spectra-series breast pump for the first time, sanitize the breast shield kit in boiling water for 5 minutes. (Parts may be boiled for more than 5 minutes.)
 NOTE : Do not boil for more than 5 minutes, as parts may become distorted.

How to Assemble the Back-Flow Protector.

(1) Insert the white silicone membrane into lower case.
 (2) Insert upper case into assembled silicone membrane.

How to Assemble the Pump Kit.

1. Push silicone valve into Breast shield.
 2. Insert Back-Flow Protector into Breast shield.
 3. Screw Silicone valve into Breast shield.
 4. Insert Tubing into Back-Flow Protector.

5. LCD Display

6. Button Control

7. Pumping Guide

- 1) Relax and stimulate your let-down reflex.
- 2) Gently massage your breasts or apply warm compresses from the breast toward the nipple before using.
- 3) Express milk from each breast for 10-15 minutes.

NOTE : For maximum milk expression, we recommend that you pump frequently but in short increments.
 (10-15 minutes per breast, every 2-3 hours, 7-8 times a day)
NOTE : Even when you are using the breast pump, breastfeed your baby whenever you can.

8. Getting started

1. Center the breast shield on your breast so that the nipple is drawn into the flange.
2. Press the power button. The screen will light up and begin.

3. Press the Message/Expression button (M) to change to expression mode once your milk starts flowing.
4. Adjust the vacuum (V) (never set high enough to cause discomfort)
5. When you wish to stop expressing, press the power button then remove milk collection kit from your breast.

6. Disconnect the backflow protector from the breast shield.

Remove the breast shield from the milk collection bottle and close the bottle tightly with bottle cap & disk and store safely.

• Vacuum Setting
 The Vacuum level is measured in mmHg on your breast pump and refers to how strongly the pump will suck. Please be cautious when setting the vacuum level on the Spectra S1Plus / S2Plus. Some women find that milk expression is faster on higher vacuum levels. However, it is important not to set the vacuum level so high that it makes you uncomfortable, as the resulting pain will hinder your milk flow.

We therefore suggest that you start off with the vacuum level on low, and then gradually increase the vacuum level to a comfortable level. You may find that the vacuum level that you are comfortable with varies significantly, from day to day, during the day and even during the same expression session.

Adjust the vacuum level by pressing the (V) buttons.

• Cycle speed setting
 The cycle speed is measured in CPM (Cycles per minute) on your breast pump and refers to how many times the pump 'sucks' and releases per minute. You Spectra S1Plus/S2Plus has been designed with variable cycle settings so that you can find the settings that suit your baby best.

Changing the cycle speed can make a dramatic difference in milk expression for some women.

Every woman is different, so adjust the cycle speed setting to find what works best for you.

Adjust the cycle speed by pressing the (C) button.

• Massage and Expression Modes.

- 1) Massage mode : You will adjust the vacuum level in massage mode to find what works best for you.
- 2) Expression mode : After letdown begins, and once the milk is flowing, your baby will start sucking more slowly and deeply, creating a stronger suction to draw down the milk. This mode has deeper and higher vacuum level. Please adjust the cycle speed and vacuum level in expression mode to find what works best for you.

NOTE : The Spectra S1Plus/S2Plus will remember your settings automatically for your next session. If you want to start pumping on settings different from those used during your previous session, adjust the settings before you start expressing.

9. How to use the dual pump

<Single Pumping> <Dual Pumping>

10. Cleaning and Disinfection

- 1) First time use
 Before using Spectra S1Plus / S2Plus breast pump for the first time, disassemble and wash all parts that come into contact with the breast and breastmilk.
- 2) After every use
 ① Disassemble and wash all parts of your pump kit that come into contact with the breast and breastmilk (breast shield kit, Silicone valve, nipple, cover, disk and cap) in warm, soapy water. All parts in the pump kit are dishwasher safe.
 ② Rinse in clean water.
 ③ Air-dry and cover parts when not in use.

NOTE : To eliminate condensation or milk on the tubing, wash and dry it immediately.
 To clean main body, wipe main body with a clean damp cloth.

Inspect the tubing for condensation or milk. If any condensation or milk is noted in the tubing, wash and dry it immediately or replace the tubing.

11. How long can I store breast milk?

At Room Temperature:

Temperature	Storage Time
15°C (60°F)	24 hours
20°C (79°F)	4 to 6 hours
30°C (86°F)	4 hours

In the Refrigerator:

Temperature	Storage Time
0°C-4°C (32°F-39°F)	Up to 8 days

In the Freezer:

Type	Storage Time
Compartment Contained within a refrigerator	Up to 2 weeks
Self-Contained Bottom, top mount, side-by-side, or stand alone freezer	3 to 4 months or longer
Deep Freezer With a Constant -17°C (0°F) temperature	6 to 12 months

Source : Breastfeeding Made Easier at Home and Work, womenhealth.gov

12. How do I thaw and use stored breast milk?

Always make sure to check the date on the milk's container before using. Do not use unstated milk, or milk that has been stored too long.

1. Thaw frozen milk in the refrigerator or under cool running water.
2. Heat the milk under warm, running water and gently swirl the container to mix the milk. If warm water is not available, heat a cup of water on the stove. Once the water is warm, not boiling, remove the disk and place the milk container in the pot. Never warm the milk container directly on the stove.
3. Never microwave breast milk because microwaves can cause dangerous hot spots that could burn you or a baby.
4. Always test the temperature of the milk on the inside of your wrist before feeding it to a baby. The milk should feel warm, not hot.
5. After thawing, milk that is stored in the refrigerator for no more than 24 hours, may be refrozen. However, thawed milk that is not used within 24 hours, should be discarded.

15. Trouble shooting

Condition	Possible Causes	Checks	Solutions
No Power	Adapter	Check if the power cord is not connected or it has damaged	Plug into the outlet. If it is damaged, contact manufacturer or retailer center or where you purchased
	Dual battery	Check after charged	Charge fully before use or contact manufacturer or retailer center or where you purchased
No Pump	Air tube	Check the tubing is connected to the main body	Connect the air tube to the main body
	Valve	Check if there is connected to breast shield properly	Disassemble and reassemble them properly
	Air cap	Check if the air cap is closed	Close the air cap
	Vacuum level	Check if there is a close vacuum level in the vacuum regulator valve or if there is an abnormal noise	Contact the location where you purchased the product or the manufacturer
Low Suction	Defective assembly kit	Check the connection of the kit	Disassemble and reassemble them
	Breast shield	Check if there is problem with the breast shield	Purchase and replace the breast shield
	Valve	Check if there is damaged in valve head	Replace the valve
Plan	Too high suction	Check the suction level	Set to the lower suction level and consult your lactation consultant or physician.

16. Use and Storage environment

18. EMC

This equipment needs to be installed and put into service in accordance with the information provided in the user manual [IEC 60601-1-11:2010 Clause 12.3a]

This equipment is wireless communication equipment such as wireless home network devices, mobile phones, cordless telephones and their base stations, walkie-talkies can affect this equipment and should be kept at least a distance 1.0m away from the equipment. [IEC 60601-1-11:2010 Clause 12.3b]

This equipment has been tested and found to comply with the limits for medical devices in IEC 60601-1-2:2014. 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 or more of the following measures.

- Reorient or relocate the receiving device.
- Increase the separation between the equipment.
- Connect the equipment into an outlet on a circuit different from that to which the other device(s) are connected. Consult the manufacturer or field service technician for help.

19. LIMITED WARRANTY

This product is warranted by Uzinmedicare Co., to the original retail purchaser to be free from defects in material and workmanship for a period of 2 years from the date of purchase. This warranty does not cover damage caused by accident, misuse, abuse, improper maintenance, unauthorized modification, or connection to an improper power supply. A charge will be made for repair of such damages.

WARRANTY CARD
 Spectra S1Plus / S2Plus
 Origin : Korea Repo
 Address : Rm 105, Joongang Indupia V, Sagimakgolo 137, JungWor-gu, Seongnam-si, Gyeonggi-do, 15202, South Korea
 Telephone : +82-31-739-5271

Spectra S1Plus / S2Plus Electric Breast pump
Name
Telephone
Mobile Phone
Address