

Electric Breast Pump Instruction for Use

Model: 518

Version: 1.0

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1. INTENDED PURPOSE

Intended Use

The Electric Breast Pump is intended to be used by lactating women to express and collect milk from their breast, to alleviate engorgement of the breast, maintain the ability of lactation, and provide mother's milk for future feedings when separation of mother and baby occurs.

The proposed device is intended for daily use in home or similar environment (such as an office) to supplement breastfeeding by a single-user.

Indications

The Electric Breast Pump is indicated to eliminate clinical situations such as milk stasis in the breast, engorgement, and mastitis caused by insufficient milk discharge, and to bring out flat or inverted nipples. It also enables breast milk to be provided to babies who cannot feed directly at the breast for a variety of reasons, such as latching issues, prematurity, or other health purposes.

Contraindications

There are no known contraindications.

2. IMPORTANT SAFEGUARDS

Read All Instructions Before Operation

Before first use, clean and disinfect all parts that will come into contact with breast milk according to the instructions. Before each use, visually inspect the individual components for cracks, chips, tears, discoloration, or deterioration. If damage to electric breast pump is observed, please discontinue use until the parts have been replaced.

Warning:

The Electric Breast Pump is a personal care device intended for use by a single user only. To prevent cross contamination/infection, electric breast pump should never be shared between individuals or re- sold from one individual to another. Each individual should use their own Electric Breast Pump. If you are infected with Hepatitis B, Hepatitis C or the Human Immunodeficiency Virus (HIV), using the Electric Breast Pump to express breast milk will not reduce or eliminate the risk of transmitting the virus to your baby through

your breast milk. If an allergic reaction occurs, which may happen in rare cases, please discontinue use. When using electric breast pump, especially when children are present, basic safety precautions should always be maintained.

To reduce the risk of electrocution

- Do not use while bathing.
- Do not place or store electric breast pump where it can fall or be pulled into a tub or sink.
- Do not place or drop into water or other liquid.
- Do not reach for electric breast pump that has fallen into water.
- Electric breast pump should never be left unattended when the pump is powered on.

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

- Close supervision is necessary when electric breast pump is used near children.
- Do not allow small children or pets to play with the pump units, accessories, or charging cable.
- Do not swallow any parts or accessories.
- Use electric breast pump only for its intended use as described in the instructions. Do not use with accessories not listed in the accessory list. Do not use attachments not recommended by the manufacturer.
- Never use while sleeping or drowsy.
- Never operate electric breast pump if it is not working properly, if it has been dropped or damaged, or dropped into water.
- Do not use electric breast pump if it is broken or any parts are missing.
- Repairs must be performed only by an authorized service agency. No modifications to electric breast pump are permitted and will void the warranty.
- Keep the electric breast pump away from heated surfaces.
- If the charging cable becomes loose, separated, or frayed, stop use of the charging cable immediately.
- Stop using electric breast pump immediately if you note any smoke or burning from the pump unit or the charging cable.
- Not intended for use while flying.
- Before each use, allow the product to reach room temperature for at least two hours.
- **WARNING:** Do not pump while pregnant. Pumping during pregnancy may trigger labor.

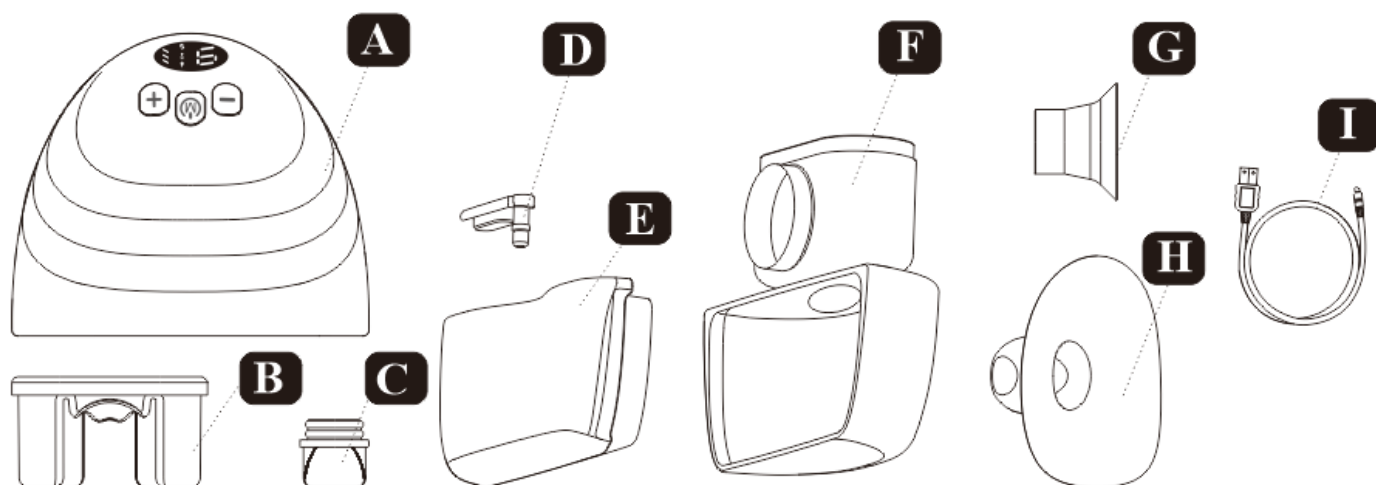
Caution

- If you feel pain in your breast or nipple during operation, turn the pump off or slide a finger between the

breast flange and your breast to immediately break the suction. If skin irritation or discomfort occurs, please discontinue use. If you feel excessive warmth from electric breast pump while pumping, stop pumping immediately and remove pump.

Save these Instructions along with your receipt for future reference.

3. ELECTRIC BREAST PUMP PART



ELECTRIC BREAST PUMP PARTS & ACCESSORIES		QUANTITY	MATERIAL
A	Main Pump Unit	1	ABS
B	Diaphragm	1	Liquid Silicone
C	Duckbill Valve	1	Liquid Silicone
D	Silicone Plug	1	Liquid Silicone
E	Bottle Cover	1	PP
F	One-piece milk collection bottle	1	PP
G	24mm Insert Flange	1	Liquid Silicone
	21mm Insert Flange	1	Liquid Silicone
	19mm Insert Flange	1	Liquid Silicone
H	26mm Breast Shield	1	Liquid Silicone
I	Charging Cable	1	Not Applicable

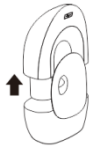
4. PREPARING ELECTRIC BREAST PUMP

Before using the Electric Breast Pump for the first time, it needs to be charged.

Before First Use

Disassemble the Electric Breast Pump and clean and disinfect the parts prior to the first use.

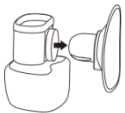
Disassemble



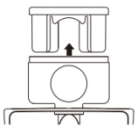
1. Grasp the side of the main pump unit and pull to disconnect from the milk collection bottle.



2. Remove 24mm/21mm/19mm insert flange from the 26mm breast shield.



3. Pull 26mm breast shield to disconnect from one-piece collection bottle.



4. Remove diaphragm from one-piece milk collection bottle.



5. Pull bottle cover to disconnect from one-piece milk collection bottle.



6. Remove duckbill valve from one-piece milk collection bottle.



7. Pull silicone plug to disconnect from bottle cover.

Cleaning and Disinfecting

1. Always wash and dry hands thoroughly with soap and water before handling the Electric Breast Pump.
2. Disassemble the parts that come into contact with breast milk and place them in a large pot. The main pump unit should never be rinsed or submerged in water. Wipe down the main pump unit, the keypad, and the surface the pump was placed on with a low-level disinfectant, such as ethyl or isopropyl alcohol (70-90%).
3. Cover the parts with water, making sure there is room for all the parts to float freely in the pot.
4. Bring the water to a boil and allow the parts to boil for 5 minutes.

5. After boiling, remove the parts from the pot with tongs and place on a clean towel to dry, covering the parts with a second towel.
6. Allow the parts to dry completely before assembly and use. Partially dried parts may affect the operation of the pump or could cause deterioration of the components.
7. Once the parts are dry, they can be stored in a clean plastic bin with a lid or in a clean plastic zipper bag. Do not store the parts in a container or a bag until fully dry.

DO NOT rinse or submerge the main pump unit. It needs to be kept dry to prevent damage.

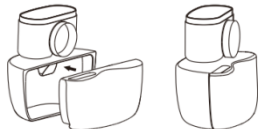
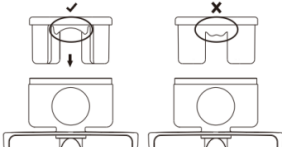
Before Each Use

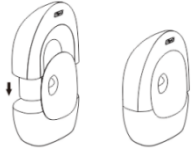
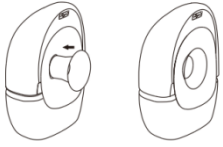
1. Always wash and dry hands thoroughly with soap and water before handling the Electric Breast Pump.
2. Before assembling the parts, be sure that all the parts are completely dry.
3. Visually inspect the individual components for cracks, chips, tears, discoloration or deterioration. These may affect the functionality of the pump.
4. Should you have any questions or concerns about your parts please contact Customer Service for further guidance.

WARNING: It is highly recommended not to use any cleaning method other than the cleaning methods mentioned in this instruction manual.

5. WEARING THE ELECTRIC BREAST PUMP

Assembly

	1. Insert the silicone plug into the bottle cover.
	2. Insert the duckbill valve firmly into the one-piece collection bottle.
	3. Press the bottle cover firmly to the one-piece collection bottle.
	4. Install the diaphragm into the top of one-piece collection bottle. And gently tap the edges to ensure it adheres properly.

 Outlet of the breast shield should be downward.	5. Insert the 26mm Breast Shield into the circular hole in the middle of One-piece collection bottle.
	6. Press the main pump unit onto the assembled bottle. And apply firm pressure to ensure there is no gap between them.
	7. Insert the 24mm/21mm/19mm insert flange as needed.

Always wash hands prior to assembling the Electric Breast Pump.

Note: *Once fully assembled, place the finished milk collection cup in your bra and center your nipple before turning on the pump.*

6. FINDING THE RIGHT FLANGE FIT

Using the appropriate breast shield size and ensuring correct nipple alignment in the breast shield are crucial for a safe and comfortable pumping experience, which can help reduce potential nipple damage and enhance milk expression.

Flange Fit

To find the right fit, measure the nipple – not the areola. Choose the breast shield or the silicone insert flange that is one size larger than your nipple.

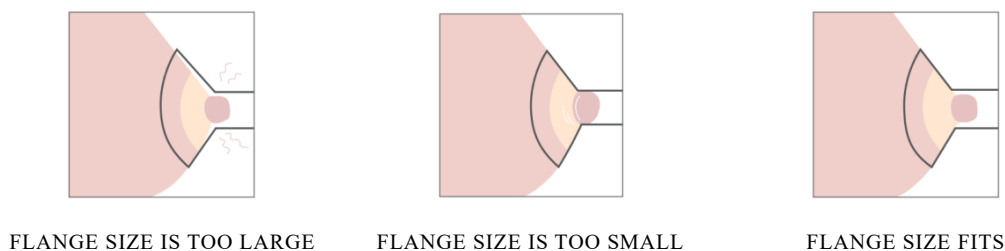
Hold the breast shield up to your chest, center it over each of your nipples to ensure the nipple fits comfortably within the breast shield. If the nipple comes into contact with the sides of the tunnel of the breast shield, you should consider trying the next size up. Conversely, if there is excessive space around the nipple, you should opt for a smaller size of breast shield.

Signs you have found the right Breast Shield include:

- Only your nipple and a portion of your areola enter the tunnel during pumping.
- Your nipple moves freely within the tunnel during pumping, without experiencing friction.
- Your breasts feel softer and less full after pumping.
- Your breast milk supply increases or remains consistent.

Nipple size and shape can change over time or even during a pumping session. Each breast may

require a different size. Periodically check your Breast Shield fit to maximize comfort and milk expression.



Adding Insert Flange

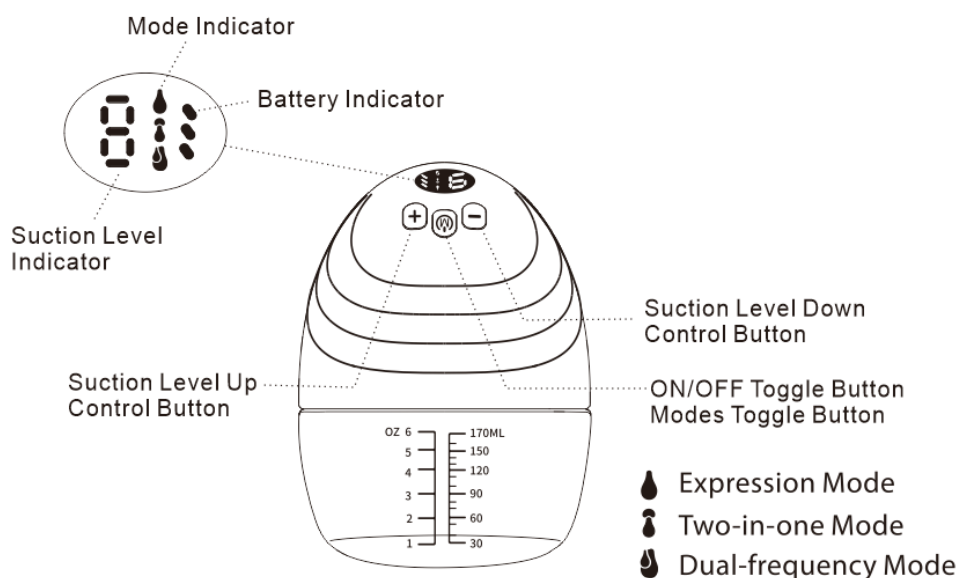
Each Electric Breast Pump comes with a 26mm breast shield and compatible 24mm, 21mm, and 19mm insert flanges. The breast shield can be used either on its own or with the insert flange to achieve the perfect fit.

To remove the insert flange, lift the edge of the insert and gently pull it out from the breast shield.

Effective Pumping Position

You may pump while in an upright position, sitting, or standing. Ensuring proper nipple alignment is crucial for comfort and performance. The pump can be adjusted within your bra as necessary to achieve the right compression and maintain an effective pumping experience. Avoid using the pump while lying down or sleeping to ensure proper orientation is maintained during use.

7. PUMP CONTROL



Start and Finish Session

- Position the milk collection cup in your bra, then press and hold the ON/OFF toggle button for 3 seconds until the screen lights up. Afterward, briefly press the mode toggle button to select the desired mode.
- To conclude the pumping session, press and hold the power button until the pump shuts off.
- Ensure there is no suction on the nipple before taking the milk collection cup off the breast. If needed, release the suction by sliding a finger between the breast shield and the breast. With the suction released, the milk collection cup can be safely removed.

Note:

The Electric Breast Pump will automatically shut down after 30 minutes of operation. To reactivate the pump, press and hold the ON/OFF toggle button for 3 seconds until the screen lights up.

Modes

The Electric Breast Pump has three modes: Expression, Two-in-one and Dual-frequency.

Expression Mode

Once the milk let-down occurs, switch to this mode. These levels use a slow, deep suction to efficiently remove milk and achieve thorough emptying.

Levels: 9 suction levels

Two-in-one Mode

Intelligently simulates the baby's natural sucking rhythm, automatically cycling between "8 massages + 1 suction," providing a fully automated process for effortless operation.

Levels: 9 suction levels

Dual-frequency Mode

Designed specifically for nursing mothers with flat or inverted nipples. This mode utilizes a unique "low suction-pause-high suction-release" cycle to gently and progressively stretch the nipple, facilitating comfortable extension for more effective and comfortable milk expression.

Levels: 9 suction levels

Adjustable suction levels

The Electric Breast Pump provides you with control over what is most effective for you. It features several levels of suction power for you to choose from. Press the suction level control

buttons to determine your preferred setting.

- The selected level will be displayed on the screen.
- To adjust suction, press the suction level control buttons.

Note: Breast pumping should be a comfortable experience. If at any point the suction becomes uncomfortable, lower the suction level. Avoid increasing the suction beyond what is comfortable.

Memory function

Each Electric Breast Pump automatically recalls the mode and suction strength used last time.

Note: If different settings are used for each pump, please ensure you use the same pump unit (with its saved settings) on the corresponding breast for optimal results.

8. EASYPUMP APPLICATION CONNECTIVITY

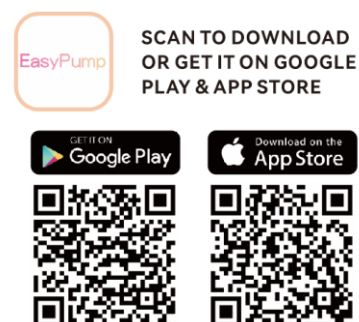
Your Electric Breast Pump can be connected to the EasyPump smartphone app via Bluetooth.

Connecting your breast pump to the EasyPump app allows for automatic transfer of pumping data, such as session length, modes, and levels, and enables you to manually input the volume of milk expressed.

To take advantage of the app's features, you must create an account within the EasyPump app.

Installing the EasyPump app

1. Download and install the EasyPump app on your mobile device. The app is available free of charge for Apple® iOS and Android™ operating systems.
2. Launch the EasyPump app on your mobile device and register through the app.



Connecting (pairing) your Electric Breast Pump.

1. Ensure that Bluetooth is enabled on your mobile device. When prompted, please grant the app permission to use Bluetooth.
2. Upon launching the EasyPump app, you will be asked if you want to allow the app to use your Location. We do not track the position of your phone; however, this is a requirement of the smartphone's operating system to connect to a Bluetooth device.

3. In the EasyPump app, click on “Add Device” and then “Connect” to enter and control your Electric Breast Pump.

Saving your pumping session into the app

- By tracking your pumping sessions on the EasyPump app, you can stay up to date with daily highlights and custom content.
- Having visibility of your pumping history allows you to plan efficiently each day and track changes in your body, such as an increase or decrease in milk output.
- Only one mobile device can interact with the Electric Breast Pump at a time.

Removing your Electric Breast Pump from your smartphone

Tap on the pump you wish to remove for 3 seconds and then tap on the ‘Confirm Delete Device’ button.

Removing the Electric Breast Pump from your mobile device will not erase the pumping information stored in the EasyPump app.

Trademark recognition: Apple is a trademark of Apple Inc., registered in the U.S. and other countries.

Android is a trademark of Google LLC.

9. AFTER PUMPING



Keep the pump upright and carefully remove the main pump unit and the breast shield from the milk collection bottle.



Transferring Milk

Use the pour spout to transfer breast milk to a bottle or a milk storage bag. Pour the breast milk carefully into the selected storage container.

10. CLEANING AFTER EACH USE

Disassemble the accessories. DO NOT wash the main pump unit; it should remain dry and must never be rinsed or submerged in water. Wipe down the main pump unit, the keypad, and the surface the pump was placed on using a low-level disinfectant, such as 70-90% Ethyl or Isopropyl alcohol.

1. Rinse all the accessories with cold water immediately after each use. Place the accessories in a clean wash basin that is used exclusively for washing infant feeding equipment. Avoid placing the accessories directly in the sink, as germs in sinks or drains could contaminate the accessories.
2. Hand wash the accessories using warm soapy water. A nipple brush can be used to scrub the hard plastic parts.
3. Rinse the accessories with running clean, warm water, or by submerging them in fresh water in a separate basin that is used exclusively for cleaning infant feeding items.
4. Arrange the accessories on a clean, unused dishtowel or paper towel in a dust- and dirt-free area. Avoid using a dishtowel to rub or pat the items dry. Ensure the accessories are completely dry before assembling and using them. Parts that are only partially dry may impair the pump's operation or lead to the degradation of its components. Once the accessories are fully dry, they can be placed in a clean plastic bin with a lid or a clean plastic zipper bag. Do not place the accessories in a container or bag until they are completely dry.
5. Clean the wash basin and the nipple brush after each use, following the manufacturer's recommendations for cleaning. Rinse them thoroughly and allow them to air-dry.

11. CHARGING

The battery level indicator lights show the remaining operating time for the pump.

- Always check the battery life to ensure at least one bar is illuminated before starting a session.
- The three-bar battery lights will flash when charging is in progress. The pump will not turn on while charging.
- It takes about 2.5 hours to fully charge the battery using the charging cord provided with the Electric Breast Pump.
- For optimal charging results, use a power adapter with a 5V/1A (5-Watt) output rating or higher.
- When the pump is fully charged, the battery lights will display three bars.
- A bar is lit when the battery is low. Charge immediately if only the last bar is lit.

RECHARGEABLE BATTERY: 3.7V, 1100mAh, LITHIUM ION		
	3 bars	Enough charge for approximately 6 sessions
	2 bars	Enough charge for approximately 3 sessions
	1 bar	Battery low, inadequate charge for pumping session

** A session time is approximated at 15-20 minutes, but may vary by individual*

12. BREASTMILK STORAGE AND THAWING GUIDELINES

Breastmilk Storage and Thawing Guidelines for Full-term Healthy Babies

Consult your healthcare provider or an International Board Certified Lactation Consultant for detailed storage guidelines. When freezing, place the milk at the back of the freezer, avoiding the door area, as the temperature there can fluctuate due to frequent opening and closing.

Guide to storing fresh breast milk for use with healthy, full-term babies

PLACE	TEMPERATURE	HOW LONG	THINGS TO KNOW
Countertop, table	Room temperature (up to 77°F)	Up to 4 hours	Containers should be covered and kept as cool as possible. Covering the container with a clean cool towel may keep milk cooler. Throw out any leftover milk within 2 hours after the baby is finished feeding.
Refrigerator	40°F	Up to 4 days	Store milk at the back of the refrigerator. When at work, it's acceptable to place breast milk in a shared refrigerator. Ensure that the container is clearly labeled.
Freezer	0°F or colder	Within 6 months is best. Up to 12 months is acceptable.	Store milk toward the back of the freezer where the temperature is most constant. Milk stored at 0°F or colder is safe for longer durations, but the quality of the milk might not be as high.

Source: Adapted from 7th Edition American Academy of Pediatrics (AAP) Pediatric Nutrition Handbook (2014); 2nd Edition AAP/American College of Obstetricians and Gynecologists (ACOG) Breastfeeding Handbook for Physicians (2014); Academy of Breastfeeding Medicine (ABM) Clinical Protocol #8 Human Milk Storage Information for Home Use for Full-Term Infants(link is external) (2017); CDC Human Milk Storage Guidelines (2018).

Date all breast milk and use the oldest breast milk first.

NOTE: DO NOT refreeze milk once it is thawed.

Thawing

Thaw frozen milk in the refrigerator or place the containers under cool running water, gradually warming the water until the milk is thawed. Thawed milk can be kept in the refrigerator for up to 24 hours.

breast milk is not homogenized and may separate as it sits. Gently swirl the thawed milk before feeding to mix the layers that have separated. breast milk can vary in color and consistency depending on the time of day it was expressed, your diet, and the baby's age at the time of pumping.

Please refer to the following link for the most current breast milk storage and usage guidelines:

https://www.cdc.gov/breastfeeding/recommendations/handling_breastmilk.htm

NOTE: DO NOT MICROWAVE HUMAN MILK! Microwaving alters the composition of the milk.

13. MAINTENANCE AND CARE

Power Adapter Care

No specified power supply provided by the manufacturer in the sales package. A generic separate power supply is specified by manufacturer in accompanying documents, it should meet the following conditions, Output DC 5V 1000mA, and comply with IEC 60601-1, provide at least two MOOP insulation between ac input and dc output. The power adapter shall be of Class II construction.

Traveling Internationally

Advice for traveling with your breast pump.

When traveling internationally, we recommend purchasing a travel adapter (not included) to match the corresponding wall outlet. Please consult the country you are visiting to determine the best type of adapter to use. The power adapter for the breast pump is two-pronged and does not require a grounded outlet.

Battery Maintenance

Your breast pump is equipped with a built-in (non-replaceable) lithium-ion rechargeable battery.

To maintain the battery's lifespan:

- Store your breast pump in a cool location.
- Charge the battery before it is fully depleted. This practice is beneficial for the battery's lifespan.
- Ensure the battery is fully charged before you put your breast pump into storage.

Traveling Internationally

This breast pump is equipped with a lithium-ion battery. Carrying these batteries on airplanes may be subject to restrictions by the destination country. Please check with the authorities of the country you are visiting to determine if there are any travel restrictions on lithium-ion batteries.

Note: In the event of a completely discharged battery, the breast pump cannot be used immediately after connecting it to the power adapter. Ensure the battery is charged for at least 15 minutes before attempting to turn the pump on.

14. TROUBLESHOOTING

If your breast pump exhibits unexpected behavior, consult the troubleshooting table. Locate the issue in the "Problem" column and follow the corresponding instructions in the "Solution" column.

Troubleshooting table

Problem	Solution
The breast pump has no power	• Battery is drained. Use the provided USB-C cord and to connect the electric breast pump to a USB power source and charge the pump for 2.5 hours. • Contact the Customer Service.
The breast pump does not enter the standby mode after you pressed the ON/OFF toggle button	• You pressed the ON/OFF toggle button for too short or too long a time. • Press the ON/OFF toggle button until the screen lights up, then release it.

The breast pump generates no vacuum suction (main pump unit not working) after you pressed the modes toggle button	• Make sure that the breast pump is switched on. • Make sure that you have pressed the modes toggle button and main pump unit is started. • Contact the Customer Service.
The breast pump generates only constant vacuum instead of sucking cycles	• Contact the Customer Service.
There is low or no suction	• Make sure that all components are clean and dry and that connections are secure. • While pumping, make sure the breast shields form a complete seal around the breast. • If suction does not improve after having followed these steps, contact the Customer Service.
The breast pump exterior got wet	• Unplug the breast pump from the power source and switch it off. • Dry off the exterior of the breast pump.
The breast pump has been submerged in water	• Unplug the breast pump from the power source and switch it off. • Contact the Customer Service.

15. WARRANTY

Limited Consumer Product Warranty (United States) electric breast pump is warranted to the original consumer purchaser (the “purchaser”) to be free from defects in material and workmanship which are not commercially acceptable for the period of one year from the date of purchase on the pump mechanism (pump body and pump motor) and the period of 90 days from the date of purchase on all other product components. This warranty is provided only to products purchased in the United States and parts shipped within the United States.

Warranty coverage terminates if you (1) sell or otherwise transfer electric breast pump to another person; (2) improperly or incorrectly perform any maintenance or repair of electric breast pump; (3) use any other brand's replacement parts with electric breast pump; or (4) misuse, abuse, or alter the product. This warranty gives you specific legal rights and you may also have other rights, which vary, by location.

WE MAKE NO EXPRESS OR IMPLIED WARRANTY OF ANY KIND REGARDING THE PRODUCT

OTHER THAN THOSE WARRANTIES EXPLICITLY SET FORTH HEREIN. ANY IMPLIED WARRANTY, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR ANY IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE, TO THE EXTENT PERMITTED BY LAW, SHALL BE LIMITED IN DURATION TO A PERIOD OF 90 DAYS FROM THE DATE OF PURCHASE BY THE ORIGINAL PURCHASER.

In the event the product is found by us to not meet the above limited warranty, as purchaser's sole and exclusive remedy we will repair or, at the option of us, replace electric breast pump without charge for such replacement or parts or labor. No replacement or repair is provided outside of the United States.

NOTE: The purchaser shall bear all expense for returning electric breast pump to us. Only our brand replacement parts are recommended for use with our breastfeeding products.

TO THE EXTENT PERMITTED BY LAW, WE SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES INCLUDING, BUT NOT LIMITED TO, REPLACEMENT COSTS RESULTING FROM THE BREACH OF ANY EXPRESS OR IMPLIED WARRANTY.

If you wish to make a claim under this warranty, you must return the product to Shantou Huihengqi Electronic Technology Co., Ltd., prepaid, together with your dated bill of sale or other dated proof of purchase and a brief statement of the problem. You may obtain the appropriate shipping address by calling the phone number or sending an email to the email address provided below. Items returned without an associated Replacement Authorization Number will be returned to sender. To obtain the address to Return Goods: info@huihengqi.com

Manufacturer Information

Manufacturer: Shantou Huihengqi Electronic Technology Co., Ltd.

Address: 501, 5/F, Block C, 301, 3/F, Block A, 14A Industrial Zone, Longhu District, 515000 Shantou, Guangdong, PEOPLE'S REPUBLIC OF CHINA

16. DISPOSAL

Disposal of your breast pump

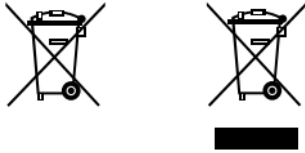
At the end of its operating life, separate the parts of your breast pump and dispose of according to the

following instructions.

Breast shields, outer shells, tubing and membranes

The parts are made of plastic and silicone that are not harmful to the environment when disposed of as household waste. Recycle or dispose of according to local regulations.

Main pump unit and charging cable



Do not dispose of electric or electronic equipment together with unsorted municipal waste, but collect it separately.

In the European Union the manufacturer or its vendor must take back waste equipment. Other countries may have similar collection and recycling systems. Dispose of the waste equipment according to local regulations.

Inquire at the point of sale or contact your local authority for appropriate collection points for waste equipment.

The separate collection and recycling of your waste equipment at the time of disposal will help conserve natural resources and ensure that it is recycled in a manner that protects human health and the environment.

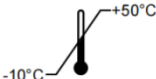
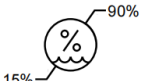
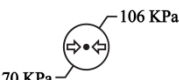
Caution

Hazardous materials present in electric/electronic equipment may harm human health and the environment if the waste equipment is not disposed of properly.

17. MEANING OF THE SYMBOLS

The following tables explain the meaning of the symbols found on the product parts and its packaging.

SYMBOL	MEANING OF THE SYMBOLS
	General safety alert symbol, points to information related to safety.
	Read and follow instructions for use.
	Identifies the manufacturer.

	Indicates the country and date of manufacturing.
	Indicates the model number.
	Indicates the series number of the electric breast pump.
	Indicates the lot/batch number.
	Indicates the product is a medical device.
	Indicates the unique device identification.
	Authorized representative in the European Community/European Union.
	Indicates compliance with international requirements for protection from electric shock (Type BF applied parts).
	Indicates that the electric breast pump is a Class II electrical appliance (double insulated).
	Do not use if package is damaged and consult instructions for use.
	Keep away from rain. Keep in dry conditions.
	Keep away from sunlight.
	This way up.
	Defines the temperature range for transport or storage.
	Defines the relative humidity range for transport or storage.
	Defines the atmospheric pressure range for transport or storage.
IP22	Indicates the degree of protection against ingress of foreign objects and moisture.
	the electric breast pump is to be rendered unusable and it must be disposed of as sorted waste in accordance with local waste electrical and electronic equipment regulations. To avoid the harmful effects on the environment and public health align with your defined local return and collection rules for waste electrical and electronic equipment (incl. batteries).

	Indicates that the packaging contains products intended to come in contact with food.
	The CE mark indicates conformity with the European applicable directive.
	TUV Symbol
	Indicates that the package is capable of being recycled.
	Indicates the compliance with the requirements of the Federal Communications Commission.

18. INTERNATIONAL REGULATIONS

18.1 Electromagnetic compatibility (EMC)

The breast pump is suitable for home healthcare environments.

The breast pump was tested according to the recommendations of IEC TS 60601-4-2:2024, Medical electrical equipment – Part 4-2: Guidance and interpretation – Electromagnetic immunity; performance of medical electrical equipment and medical electrical systems.

The breast pump needs special precautions regarding EMC and needs to be installed and put into service according to the EMC information provided in these instructions for use.

Portable and mobile RF communications can affect the breast pump.

Warning:

To prevent malfunction resulting from electromagnetic interference:

- Don't near active HF surgical equipment and the RF shielded room of an ME system for magnetic resonance imaging, where the intensity of EM disturbances is high.
- Use of this equipment adjacent to or stacked with other equipment should be avoided because it could result in improper operation. If such use is necessary, this equipment and the other equipment should be observed to verify that they are operating normally.
- Use of accessories, transducers and cables other than those specified or provided by the manufacturer of this equipment could result in increased electromagnetic emissions or decreased electromagnetic immunity of this equipment and result in improper operation.
- Portable RF communications equipment (including peripherals such as antenna cables and external antennas) should be used no closer than 30 cm (12 inches) to any part of the equipment, including cables specified by the manufacturer. Otherwise, degradation of the performance of this equipment could result.

Guidance and manufacturer's declaration -electromagnetic emissions and Immunity

Table 1

Guidance and manufacturer's declaration - electromagnetic emissions	
Emissions test	Compliance
RF emissions CISPR 11	Group 1
RF emissions CISPR 11	Class B
Harmonic emissions IEC 61000-3-2	Not applicable
Voltage fluctuations/ flicker emissions IEC 61000-3-3	Not applicable

Table 2

Guidance and manufacturer's declaration - electromagnetic Immunity		
Immunity Test	IEC 60601-1-2 Test level	Compliance level
Electrostatic discharge (ESD) IEC 61000-4-2	±8 kV contact ±2 kV, ±4 kV, ±8 kV, ±15 kV air	±8 kV contact ±2 kV, ±4 kV, ±8 kV, ±15 kV air
Electrical fast transient/burst IEC 61000-4-4	±2 kV power supply lines ±1 kV signal input/output 100 kHz repetition frequency	±1 kV signal input/output 100 kHz repetition frequency
Surge IEC 61000-4-5	±0.5 kV, ±1 kV differential mode ±0.5 kV, ±1 kV, ±2 kV common mode	Not applicable
Voltage dips, short interruptions and voltage variations on power supply	Not applicable	Not applicable

input lines IEC 61000-4-11		
Power frequency magnetic field IEC 61000-4-8	30 A/m 50Hz/60Hz	30 A/m 50Hz/60Hz
Conducted RF IEC61000-4-6	3 V 0,15 MHz – 80 MHz 6 V in ISM and amateur radio bands between 0,15 MHz and 80 MHz 80 % AM at 1 kHz Signal input/output	3 V 0,15 MHz – 80 MHz 6 V in ISM and amateur radio bands between 0,15 MHz and 80 MHz 80 % AM at 1 kHz Signal input/output
Radiated RF IEC61000-4-3	10 V/m 80 MHz – 2,7 GHz 80 % AM at 1 kHz	10 V/m 80 MHz – 2,7 GHz 80 % AM at 1 kHz
NOTE U _T is the a.c. mians voltage prior to application of the test level.		

Table 3

Guidance and manufacturer's declaration - electromagnetic Immunity						
Radiated RF IEC61000-4-3 (Test specifications for ENCLOSURE PORT IMMUNITY to RF wireless communications equipment)	Test Frequency (MHz)	Band (MHz)	Service	Modulation	IEC 60601-1-2 Test Level (V/m)	Compliance level (V/m)
	385	380 – 390	TETRA 400	Pulse modulation 18 Hz	27	27
	450	430 – 470	GMRS 460, FRS 460	FM ± 5 kHz deviation 1 kHz sine	28	28

	710	704 – 787	LTE Band 13, 17	Pulse modulation 217 Hz	9	9
	745					
	780					
	810	800 – 960	GSM 800/900, TETRA 800, iDEN 820, CDMA 850, LTE Band 5	Pulse modulation 18 Hz	28	28
	870					
	930					
	1720	1 700 – 1 990	GSM 1800; CDMA 1900; GSM 1900; DECT; LTE Band 1, 3, 4, 25; UMTS	Pulse modulation 217 Hz	28	28
	1845					
	1970					
	2450	2 400 – 2 570	Bluetooth, WLAN, 802.11 b/g/n, RFID 2450, LTE Band 7	Pulse modulation 217 Hz	28	28
	5240					
	5500					

	5785	5 800	a/n	217 Hz		
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Table 4

Guidance and manufacturer's declaration - electromagnetic Immunity				
Radiated RF IEC61000-4-39 (Test specifications for ENCLOSURE PORT IMMUNITY to proximity magnetic fields)	Test Frequency	Modulation	IEC 60601-1-2 Test Level (A/m)	Compliance level (A/m)
	30 kHz	CW	8	8
	134,2 kHz	Pulse modulation 2.1 kHz	65	65
	13,56 MHz	Pulse modulation 50 kHz	7,5	7,5

18.2 FCC(USA) statement

The electric breast pump has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. the electric breast pump generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If the electric breast pump does cause harmful interference to radio or television

reception, which can be determined by turning the electric breast pump 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 antenna.
- Increase the separation between the electric breast pump and receiver.
- Connect the electric breast pump into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

MODIFICATION: Any changes or modifications not expressly approved by the grantee of this device could void the user's authority to operate the electric breast pump.

19. TECHNICAL DATA

Model Name:	Electric breast pump
Model Number:	518
Software Version:	V1.0
Cycle of Operation:	30 minutes
Transmission Frequency:	2402MHz-2480MHz; Transmission Power: < 10 dBm
Air Flow:	At DC3.7V, the air flow is more than 1.9-2.2L/min with no load.
Expected Service Life:	3 years
Operating Conditions:	Temperature Humidity Atmospheric pressure
Conditions of Temperature	5 ~ 40°C
Transport: Humidity	15% - 90%
	70 - 106 KPa
Conditions of Temperature	-10 ~ 50°C
Storage: Humidity	15% - 90%
Battery: Model	HHQ 102540
Ratings	3.7V, 1100mAh (4.07Wh)
Battery Capacity	1100 mAh
Charging Time	about 150 minutes
Running Time	about 120 minutes

Essential Performance

The electric breast pump should have accurate vacuum suction, and the range for setting the negative pressure value is shown in the table below; alternatively, the negative pressure generated should not exceed

-0.039MPa (i.e., maximum suction plus tolerance).

Level	Vacuum Suction (Unit: MPa)		
	Tolerance: ± 0.003 MPa		
	Expression Mode	Two-in-one Mode	Dual-frequency Mode
Level 1	-0.010	-0.005/-0.010	-0.005/-0.010
Level 2	-0.013	-0.005/-0.013	-0.005/-0.013
Level 3	-0.016	-0.010/-0.016	-0.010/-0.016
Level 4	-0.020	-0.010/-0.020	-0.010/-0.020
Level 5	-0.024	-0.015/-0.024	-0.015/-0.024
Level 6	-0.027	-0.015/-0.027	-0.015/-0.027
Level 7	-0.030	-0.018/-0.030	-0.018/-0.030
Level 8	-0.033	-0.018/-0.033	-0.018/-0.033
Level 9	-0.036	-0.018/-0.036	-0.018/-0.036