



*Annabella*



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# 1 | Device Description:

## **Intended use:**

The Annabella is a powered breast pump to be used by lactating women to express and collect milk from their breasts. The Annabella is intended for a single user.

## **Annabella Breast Pump Description:**

Annabella is a single electric breast pump that includes a 2-phase expression technology (stimulation & expression) and can be used only on one breast at a time. The pump does not treat nor is meant to treat inverted or sunken nipples.


Annabella is a home use device, but can also be used in other similar environments.


















## **The Annabella Pump contains the following parts:**





Adjustable breast shield 18mm to 24mm (2 pieces); Connector (2 pieces); Duckbill valves (2 pieces); Vacuum seal (2 pieces); Vacuum seal cap (1 piece); Vacuum seal cover (1 piece); Massage unit (1 piece); Vacuum tube (1 piece); Vacuum unit (1 piece); Bottles and bottles lids (2 of each); Charger (1 piece). All parts shown in Chapter 4.

The Annabella pump is not provided sterile and must be thoroughly cleaned. Please note that in order to protect you and your baby, the washable parts listed in this manual must be cleaned and disinfected (not only washed).

# 2 | Symbol Definitions

SYMBOL	DESCRIPTION
	Manufacturer
	Date of manufacture

SYMBOL	DESCRIPTION
	Batch code
	Catalogue number
	Serial number
	Fragile, Handle with care
	Keep away from sunlight
	Keep dry
	Temperature limit
	Humidity limitation
	Atmospheric pressure limitation
	Caution
	Both direct and alternating current
	Read and follow the instructions for use
	CLASS II equipment
	"ON" / "OFF" (push-push)
	TYPE BF APPLIED PART
<b>IP22</b>	Protected from touch by fingers and objects greater than 12 millimeters and/or Protected from water spray less than 15 degrees from vertical.
	The packaging contains products intended to come in contact with food
	Indoor Use Only

SYMBOL	DESCRIPTION
	The package is capable of being recycled (including washable parts)
UDI	Unique device identifier / Global Unique Device Identification Database
	Country of Origin
Patent Number	Patent Number
	Do not throw in trash. Send to a recycling center (electrical components)
BPA Free	BPA Free
	Lithium Battery Caution

### 3 | Important Safety Information

**Safety:**

**Read all the instructions before using this device.**

Warnings specify all the instructions that are important for safety. Please note, failing to observe these instructions can lead to personal injury or product damage.

 **Warning**

- This breast pump should not be operated while traveling on an airplane.

To prevent fire, electric shock, or serious burns:

- Do not operate the Annabella breast pump while plugged into a power source.

- Do not leave the breast pump unattended while plugged into a power source.
- Do not operate the breast pump if it has a damaged cord or plug, if it is not working properly, if it has been dropped or damaged, or has come in contact with water. If the breast pump has suffered any damage, immediately discontinue its use and contact Annabella customer service.
- Do not use a different adaptor for the Annabella pump. You must use, exclusively, the adaptor provided with the pump.
- Do not use the breast pump if it has been exposed to water or other liquids including:
  - Do not use the pump while bathing or showering.
  - Never place or drop into water or other liquids.
  - Do not run water over the breast pump.
  - Do not run water into the tubing of the pump.
  - If the pump has been exposed to water or other liquids, do not touch the device, unplug it from the electrical outlet, turn it off and contact the manufacturer.
  - If the tube has accidentally been exposed to water or other liquids, make sure to turn the pump off and contact the manufacturer.
- Only plug in the pump while it is charging, and unplug it immediately after charging is complete
- Do not place or store the product where it can fall or be pulled into a tub or sink.
- The breast pump and accessories are not heat-resistant. Keep away from heated surfaces or open flames.
- Do not use near flammable materials.
- Do not leave in a vehicle.
- Do not put in a microwave.



## Cautions/Precautions

- If irritation or discomfort occurs, discontinue use and see a doctor.
- 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.
- Wash all parts that come into contact with your breast and breast milk after every use. Please follow the guidelines found in this manual.
- To avoid health risks and reduce the risk of severe injury:
  - Do not use the Annabella breast pump while operating a moving vehicle.
  - Pumping can induce labor. Do not pump until after giving birth. If you get pregnant while breastfeeding or breast pumping, consult a licensed healthcare professional before continuing to pump.
  - If you are 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. In any case of infection with another virus that is not listed above, you must consult a licensed healthcare professional before continuing to pump.
  - Keep out of children's reach. Close supervision is necessary when the breast pump or accessories are used next to children.
  - This device is not intended for use by children or persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
  - Cleaning and maintenance must be performed by an adult after close reading of the cleaning and maintenance instructions.



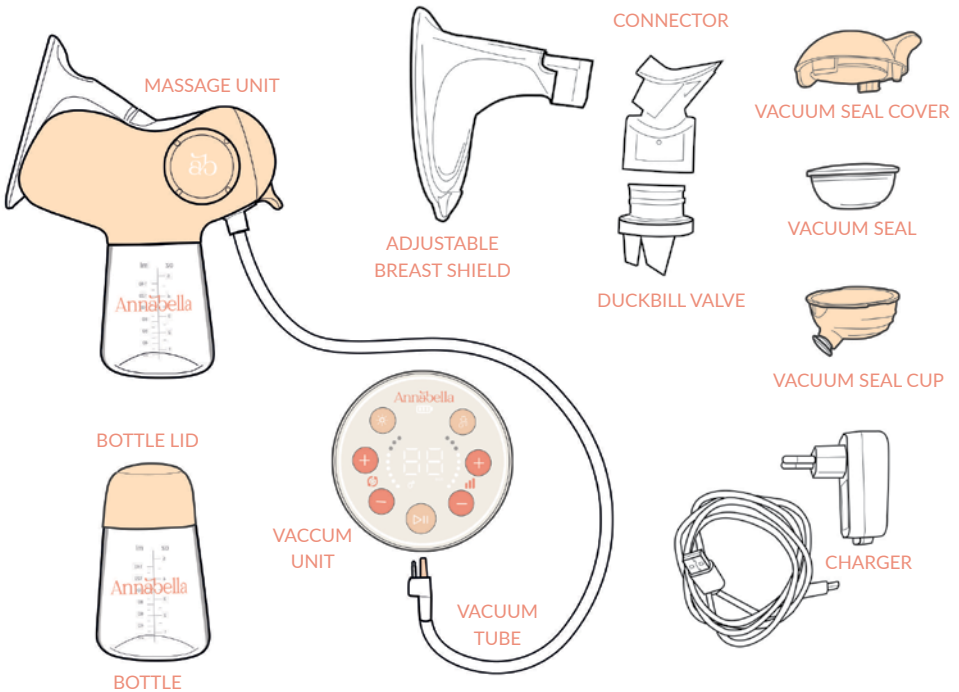
- This is a single-user product. Use by more than one person may present a health risk and voids the warranty.
- In case repair is required, do not repair yourself. Do not modify the device. Please contact the Annabella customer care in case service is required.
- Never use a damaged device. Replace defective or worn parts.
- Use the breast pump only for its intended purpose as described in these instructions for use.
- Do not use the breast pump while sleeping or if drowsy.
- If tubing becomes moldy, humid, wet, ripped or damaged in any way, discontinue use and replace tubing.
- Clean and disinfect all parts that come into contact with your breast and breast milk prior to first use. Please follow the cleaning instructions as detailed in Chapter 5.
- Only use Annabella's recommended parts with your breast pump.
- While some discomfort may be felt when first using a breast pump, using a breast pump should not cause pain. Adjust the size of the breast shield with the knob or the vacuum level. See more instructions on knob and tongue height in Chapter 7, or see demonstration on Annabella's website.
- If pumping is uncomfortable or painful, turn the unit off, break the seal between the breast and the breast shield with your finger and remove the breast shield from your breast.
- If you are still experiencing pain, contact your healthcare professional or breastfeeding specialist.

Take special care in handling bottles and different parts of the Annabella breast pump:

- Important! Failure to replace silicone parts in a timely manner will affect the pump performance and suction, and may affect your milk production.
- Do not freeze the bottles! Plastic bottles and parts wear out when frozen and may break when dropped.
- Bottles and parts may become damaged if mishandled (e.g., dropped, over-tightened, or knocked over).
- Bottles could also potentially be damaged if warmed in the microwave.
- Do not use the breast milk from bottles or components that show signs of damage.

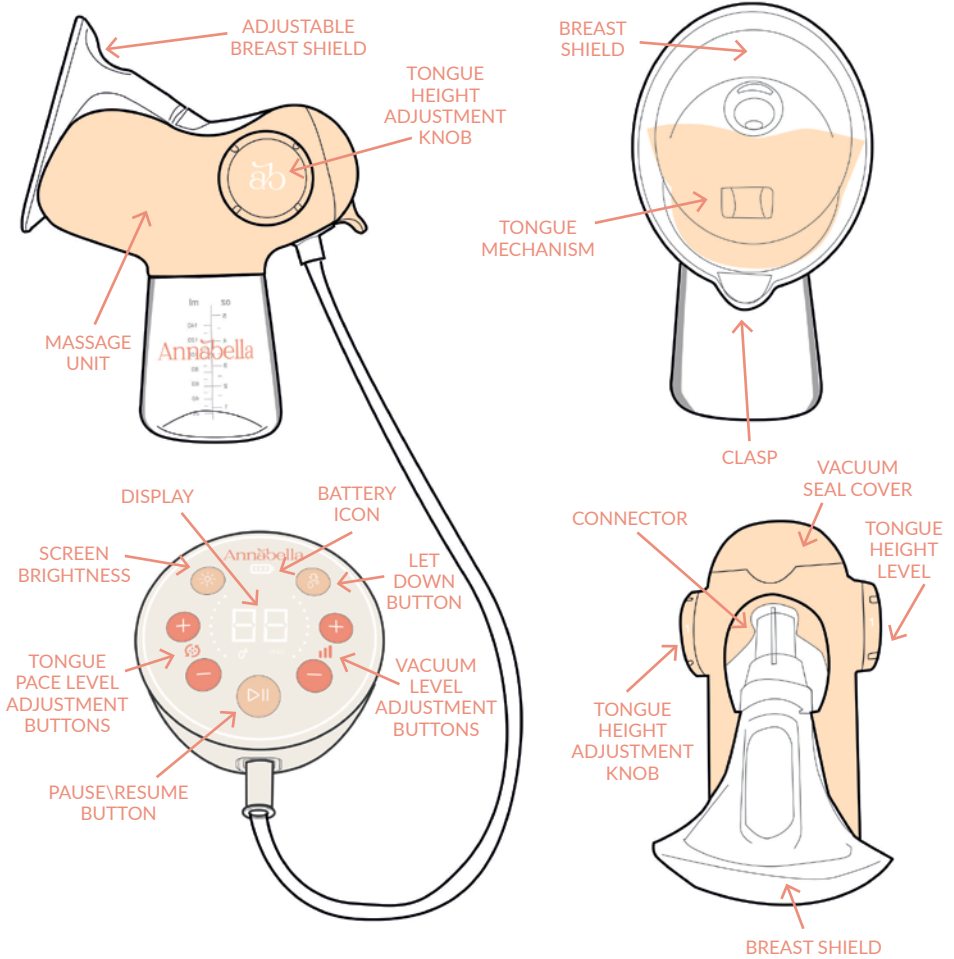
# 4 | Product Description

## Annabella Parts:



PART	QUANTITY	PART	QUANTITY
Adjustable breast shield (applied on breast, adjustable 18mm to 24mm - for adjusting shield size, see Chapter 8)	2	Massage unit	1
		Vacuum tube	1
Connector	2	Vacuum unit	1
Duckbill valves	2	Bottles	2
Vacuum seal	2	Bottle lids	2
Vacuum seal cup	1	Charger	1
Vacuum seal cover	1		

## Annabella Features



### Light modes:

**Default** – only the display light is on.

**Bright** – the display light, the ring light and the button lights are on.

**Dim** – the display light, the ring light and the button lights are on but with reduced brightness.

## 5 | Cleaning

The Annabella pump is not provided sterile, and must be thoroughly cleaned. Please note that in order to protect you and your baby, the washable parts listed in this manual must be cleaned and disinfected (not only washed).

Make sure to clean and disinfect the parts of the pump before the first use, and after each and every pumping session.



**Important notice:** the cleaning guide does not apply to electric parts. **DO NOT** wash or submerge in water, any electric part of the Annabella pump.

Keeping the parts of your pump clean is critical, because germs can grow quickly in breast milk or breast milk residue that remains on pump parts. Following these steps can help prevent contamination and protect your baby from infection. If your baby was born prematurely or has other health concerns, your baby's health care providers may have more recommendations for pumping breast milk safely.

**BEFORE EVERY USE** Wash hands with soap and water. Inspect and assemble clean pump kit. If your tubing is moldy, discard and replace immediately. Clean pump dials, power switch, and countertop with disinfectant wipes, especially if using a shared pump.



**AFTER EVERY USE** Store milk safely. Cap milk collection bottle or seal milk collection bag, label with date and time, and immediately place in a refrigerator, freezer, or cooler bag with ice packs. Clean pumping area, especially if using a shared pump. Clean the dials, power switch, and countertop with disinfectant wipes. Take apart breast pump tubing and separate all parts that come in contact with breast/breast milk. Rinse breast pump parts that come into contact with breast/breast milk by holding under running water to remove remaining milk. Do not place parts in sink to rinse. Clean pump parts that come into contact with breast/breast milk as soon as possible after pumping. You can clean your pump parts in a dishwasher or by hand in a wash basin used only for cleaning the pump kit and infant feeding items. Follow the cleaning steps given on the next page.



**Important notice:** the silicone and plastic parts have an expiration date and should be maintained and replaced approximately every 3 months.

## Which parts should I clean?

Below is a list of the parts that can and should be cleaned before your first use and once a day:



- 2X adjustable breast shields
- 2X duckbill valves
- 2X vacuum seals
- 1X vacuum seal cup
- 2X connectors
- 2X bottles
- 2X bottle lids

## How should I clean the parts?



**DO NOT** clean the parts in the microwave, it might render the breast shield and the parts listed in this Chapter unusable.



After every use, either clean the parts by placing them in the dishwasher or rinse with soap and warm water.  
Before the first use and once a day, boil the washable Annabella parts.

## Boiling

1. Place the washable pump parts in a clean wash basin used only for infant feeding items. Do not place the washable pump parts directly in the sink!
2. Add soap and hot water to basin (use warm water approx. +30°C / +86°F).
3. Scrub items using a clean brush used only for infant feeding items.
4. Rinse by holding items under running water, or by submerging in fresh water in a separate basin.
5. Boil the washable parts for 10 minutes in a pot on the stove (no more than +100°C/+212°F).



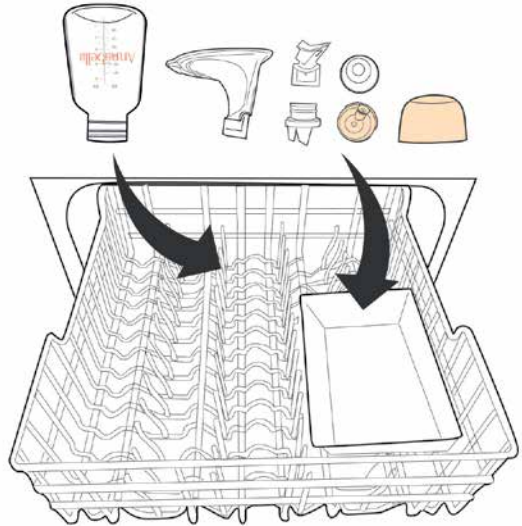
Do not boil the parts for more than 10 minutes.

6. Remove the parts carefully from the boiling water to avoid any burns.
7. Place the washable pump parts, wash basin, and bottle brush on a clean, unused dish towel or paper towel in an area protected from dirt and dust. Do not use a dish towel to rub or pat items dry!
8. Air-dry thoroughly.



## Dishwasher Cleaning

- 1. Clean pump parts in a dishwasher.** Be sure to place small items into a closed-top basket or mesh laundry bag.
- 2. Add soap and, if possible, run the dishwasher using hot water and a heated drying cycle.**
- 3. Remove from dishwasher** with clean hands. If items are not completely dry, place items on a clean, unused dish towel or paper towel to air-dry thoroughly before storing. Do not use a dish towel to rub or pat items dry!

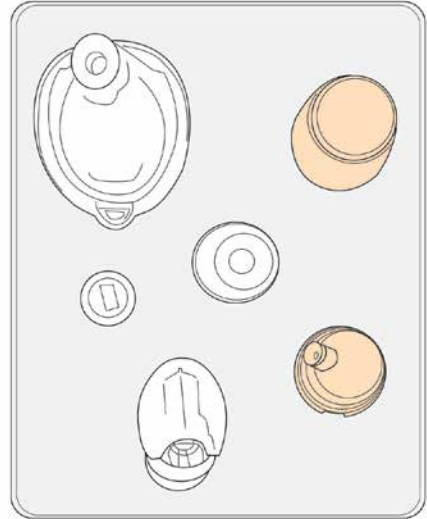


## Drying



DO NOT assemble the breast pump before the parts have fully dried.

1. Allow the parts to air dry on a clean surface - you can cover the surface with either a clean dish towel or a paper towel.
2. Please do not store the clean parts in an airtight container. Moist components might gather bacteria, and both contaminate the pump and subsequently your milk.
3. Store the clean parts in a clean storage bag or container away from direct sunlight, and only after they have fully dried. See more on storage conditions in Chapter 7.



### FOR EXTRA PROTECTION, DISINFECT

**For extra germ removal, disinfect** wash basin and bottle brush **at least once daily** after they have been cleaned. These items can be disinfected using steam, boiling water, or a dishwasher. Disinfecting is especially important if your baby is less than 3 months old, was born prematurely, or has a weakened immune system due to illness or medical treatment. For detailed instructions on disinfecting your pump parts, visit <http://www.cdc.gov/healthywater/hygiene/healthychildcare/infantfeeding.html>.

## STORE SAFELY

**Store dry items safely until needed.** Ensure the clean bottle brushes and wash basins have air-dried thoroughly before storing. Items must be completely dry to help prevent germs and mold from growing. Store dry items in a clean, protected area.

## Cleaning the Vacuum Unit



DO NOT clean the vacuum unit while plugged to the charger or to the pump. Make sure to fully disconnect the vacuum unit from any cables.



DO NOT spray or pour liquid directly onto the vacuum unit.

Cleaning the vacuum unit regularly will ensure its proper function.

1. Switch the vacuum unit off.
2. Unplug the unit from its charger and/or from the pump.
3. Wipe the vacuum unit with a damp and clean towel.
4. Then, with a different and dry towel, wipe the vacuum unit dry.



# 6 | Preparing for Pumping

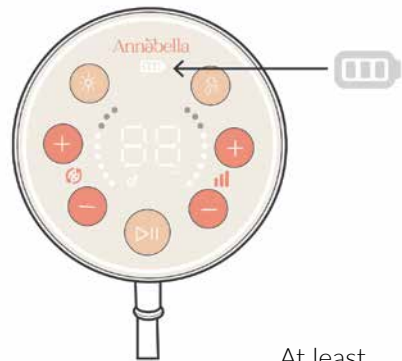
Before you start expressing milk, you need to follow these steps to ensure that your pumping experience is safe and comfortable.




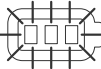
## Charging

The Annabella breast pump is a battery-powered device, and should be fully charged before using. Please note that you cannot use the pump while it is connected to a power source. There is no need to charge the massage unit.

1. Before your first use, make sure the pump is fully charged. Battery charging duration from 0% to 100% is 130±30 minutes.
2. You will know the vacuum unit is being charged once the battery icon appears on the screen.
3. Once the bars on the battery icon start flickering - the battery is being charged.
4. If the bars of the battery icon are full and the icon is not flashing than the battery is fully charged
5. Use only the charger supplied in the Annabella package. Do not use other chargers.
6. If the bars of the battery icons are missing and the icon is flashing than the battery is critically low.
7. When not in use, make sure to keep the pump's charging port covered.

## Battery Status Indicator



	3 full bars	At least 170 minutes of time left
	2 bars	At least 110 minutes of time left
	1 bar	At least 60 minutes of time left
	Bar's frame is empty and blinks	At least 15 minutes of time left

## Cleaning

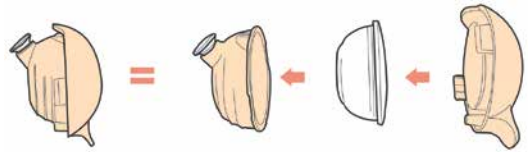
Before assembling the Annabella breast pump parts, disinfect and thoroughly clean all the parts that will come in contact with the breast milk. Follow the cleaning instructions as listed in Chapter 5.

## Assembling the Pump

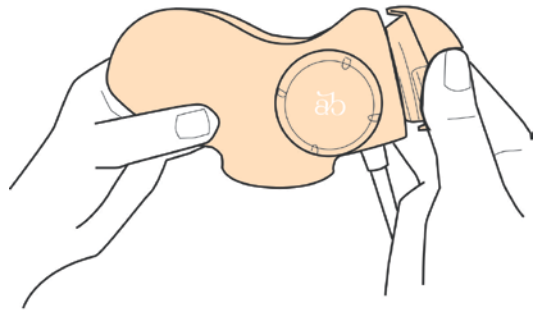
In order to assemble the pump you will need the following parts:

- Massage unit
- Adjustable breast shield
- Duckbill valve
- Vacuum seal
- Connector
- Vacuum seal cup
- Vacuum seal cover
- Bottle

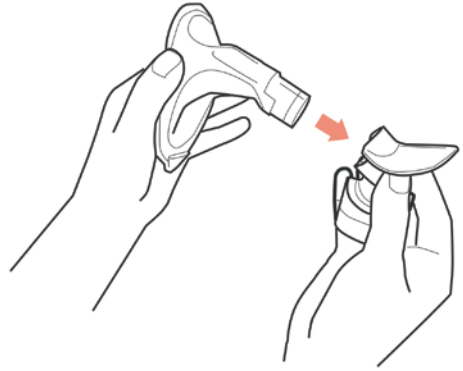
**1.** Place the vacuum seal into the vacuum cup and close the vacuum seal cover.



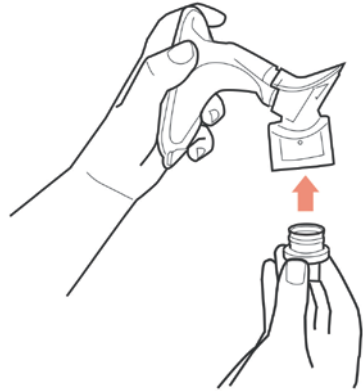
**2.** Place the assembled parts onto the massage unit (make sure the silicon part is facing up and the handle of the vacuum seal cover is facing down), make sure it latches on with a click.



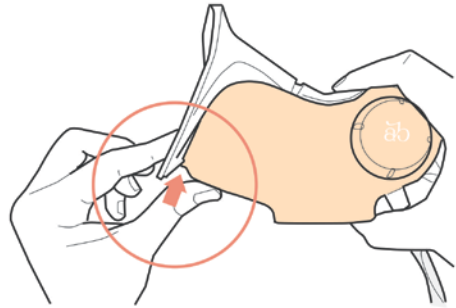
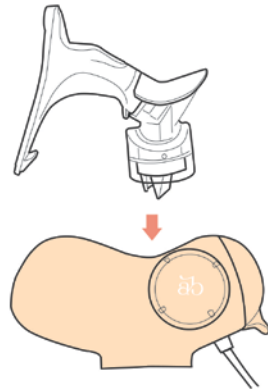
3. Attach the breast shield and the connector. Make sure they're tightly sealed.



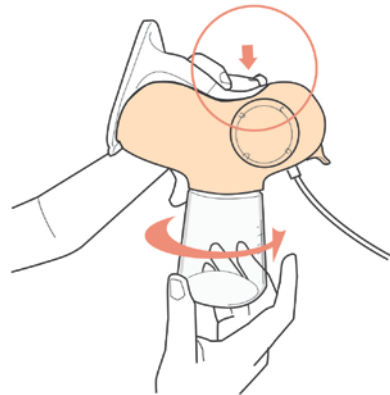
4. Insert the duckbill valve at the bottom of the connector. Make sure the components are secured in their place and assembled tightly.



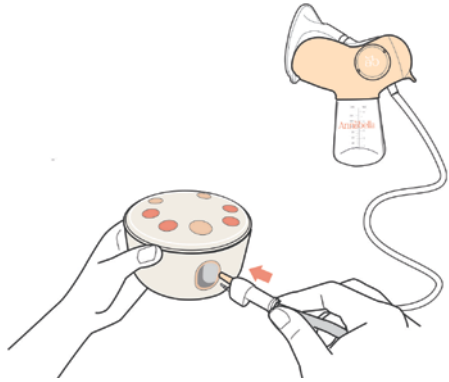
5. Insert the assembled parts into the massage unit and make sure the clasp is secure in its place.



6. Make sure to hold the connector down in a tongs-like hold in order to screw the bottle at the bottom of the connector and ensure the bottle is sealed. Make sure the bottle is secure in place and screwed on straight and tight.



7. Once the massage unit is assembled, insert the end of the vacuum tube into the vacuum unit. You should hear a “click” sound once the tube is secured in its place

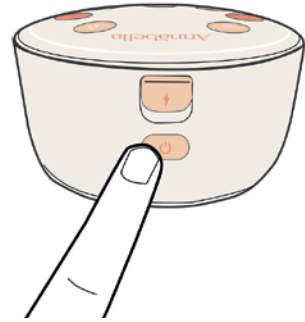




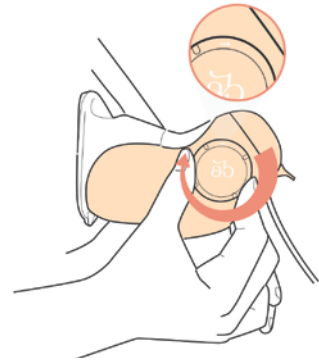
# 7 | Pumping Session

## How to start the pumping session:

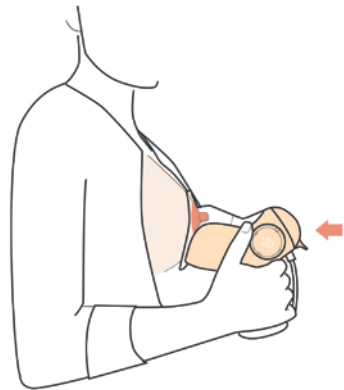
1. Press the power button to switch on the breast pump.



2. Make sure that when you start pumping, the tongue height level is set to 1.

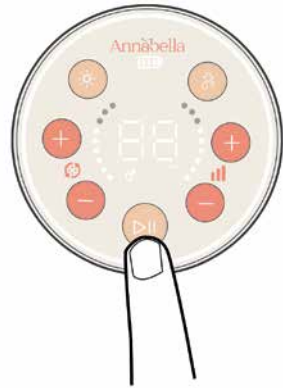


3. Place the breast shield on your nipple, and make sure that the nipple is properly centered in the middle of the adjustable breast shield (see Chapter 6 for more information on the right position for your nipple).

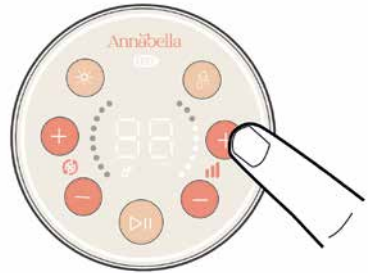


4. Keep the breast shield pressed against your breast, (as presented in Chapter 8)

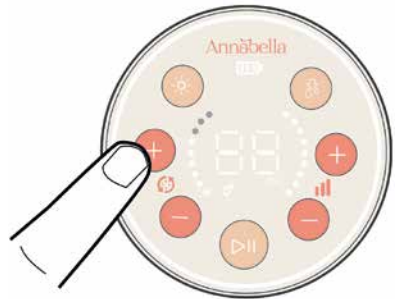
5. Press the resume button to start the pumping session.



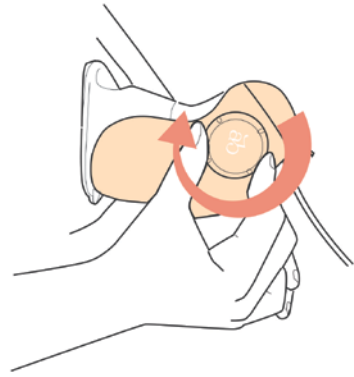
6. Increase the vacuum gradually to the maximum comfort level. The small lights on the right hand of the device indicate the intensity of the vacuum. Please note that pumping should not be painful or uncomfortable.



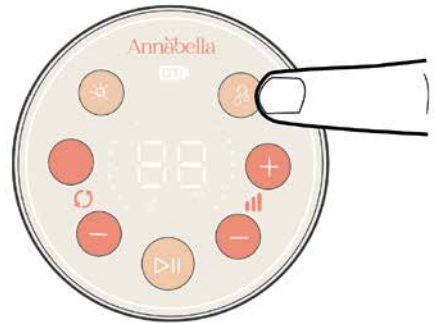
7. Gradually increase the tongue pace level in the maximum comfort level. The small lights on the left hand of the device indicate the tongue pace level.



- Adjust the height level of the tongue to the maximum comfort level.

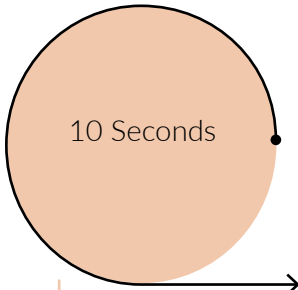


- When the milk starts to flow, press on the let down button to switch to the expression mode. If you do not press on the let down button the pump will automatically switch to expression mode within 2 minutes.



## Timeline

The Annabella breast pump is unique, it relies on a massage unit and the tongue-like motion that stimulates milk production. The pump has two different modes that need to be operated at different times for optimal milk expression.



10 Seconds

### ● LATCHING ON

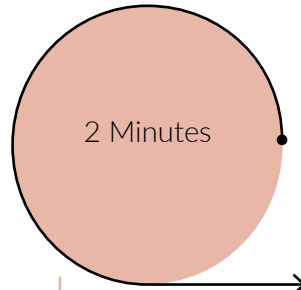
Follow the “Checking Your Fit” guidelines (in Chapter 6) to ensure the breast pump will latch on properly. Make sure the nipple is aligned (see nipple alignment in Chapter 6).

### ● Tongue Height Level

Before you start make sure the height of the tongue is set to level 1.

### ● Tongue Pace

The tongue pace should be on 0. Make sure the adjustable breast shield is properly latched on before turning on the tongue pace.



2 Minutes

### ● STIMULATION MODE

This is the first mode you should use to start pumping. Once you have started to express milk, you can change to expression mode. The pump automatically switches to expression mode after two minutes.

### ● Tongue Height Level

You can control the tongue height to find the right intensity necessary for the pumping session (note that pumping should not be painful or uncomfortable).

### ● Tongue Pace

Decrease or increase the pace of the tongue movement to ensure a steady expression of milk.



After 2 Minutes

● **EXPRESSION MODE**

This is the second stage of the pumping session.

Adjust the vacuum and suction to a level that you feel most comfortable with.

● **Tongue Height Level**

Once you switch to expression mode, you might want to readjust the height of the tongue for maximum comfort.

● **Tongue Pace**

If at any point during the pumping session you feel any discomfort, you can adjust the tongue pace as well as the vacuum level or the tongue height.



Note that the recommended pumping session for Annabella -pump device is 25 minutes

## Ending the Pumping Session

1. To end your pumping session properly, press the pause\resume button.
2. Return the tongue height level back to level 1.
3. Gently place a finger between your breast and the breast shield to unlatch the vacuum.
4. Unplug the pump from the massage unit, reassemble all the pump parts and clean before the next use (see more instructions in Chapter 5).



Please note that the Annabella pump will automatically shut down after 40 minutes without a pause.

## Long Term Storage:

- Make sure to fully charge the pump with the charger provided in the package.
- Make sure you are storing the pump in a dry place, away from direct sunlight.



**Warning:** Storing the breast pump parts before they are fully dry may cause molding and damage the pump.

- When taking out of storage wash all the parts and charge the pumping unit before first use.

## 8 | Checking Your Fit



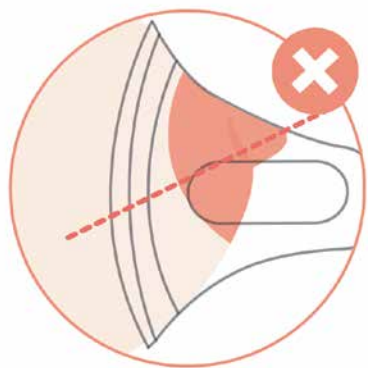
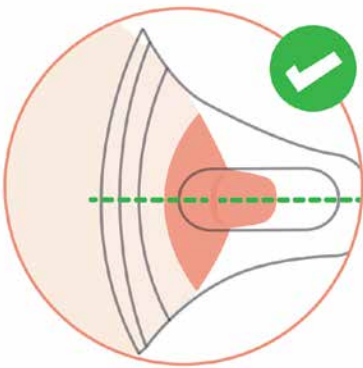
Before you start the pumping session, and in order to ensure the session is pain free and efficient, you must find the right breast shield fit. Refer to Annabella's printable measuring tool to do so.

### Positioning Your Nipple

Tilt the breast shield so that its opening faces upward at a 45-degree angle and its base touches the bottom of your breast. Then, without detaching the base of the breast shield, press the opening of the breast shield against the nipple in a movement similar to a quarter-circle. Remember that the attachment of the breast shield is always done from the bottom of the breast upwards.



Friction of the tip of the nipple might affect milk expression and cause bruising and irritation.



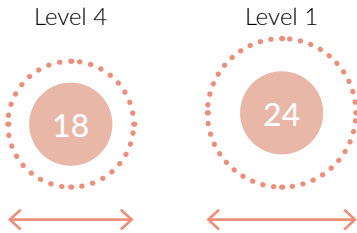
After you've cleaned the pump's parts according to Chapter 5 and assembled the parts according to Chapter 6, you can begin the pumping session.

## Checking the Fit



**Warning:** please note that pumping with a breast shield that doesn't properly fit, might cause injury/decrease your milk output.

Once the pump is properly assembled, place the adjustable breast shield on your breast. The Annabella breast shield is adjustable, and the range of sizes is between 18mm to 24mm. The height of the tongue is adjustable via the knob on the side of the massage unit. The size of the breast shield will change accordingly.



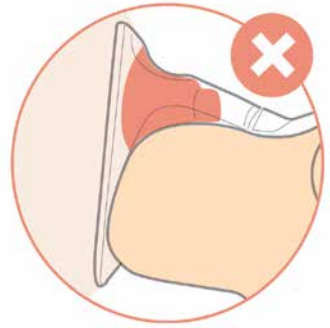
Your nipple should be able to move freely, the suction should be pain free and smooth.



Adjust the size of the adjustable breast shield by turning the knob on the side of the pump. The knob will adjust the height of the tongue and therefore, the pressure of the tongue and the size of the breast shield.



If the fit is **too small** your nipple might rub against the sides of the breast shield, This may often cause pain or discomfort.



If the fit is **too big** the entire nipple and areola will be sucked into the breast shield and may rub against the sides of the pump.



# 9 | Storing and Thawing Breast Milk



These guidelines instruct how to handle pumped milk under the cleanest standard to ensure the milk remains sterile before it is fed to the baby.

## Where to store milk

Storage guidelines for freshly expressed breast milk (for healthy term babies). The storage recommendation according to the CDC, is listed below:

STORAGE LOCATION AND TEMPERATURES			
Type of Breast Milk	Countertop 77°F (25°C) or colder (room temperature)	Refrigerator 40°F (4°C)	Freezer 0°F (-18°C) or colder
Freshly Expressed or Pumped	Up to 4 Hours	Up to 4 Days	Within 6 months is best Up to 12 months is acceptable
Thawed, Previously Frozen	1–2 Hours	Up to 1 Day (24 hours)	NEVER refreeze human milk after it has been thawed
Leftover from a Feeding (baby did not finish the bottle)	Use within 2 hours after the baby is finished feeding		

From the CDC website: [https://www.cdc.gov/breastfeeding/recommendations/handling\\_breastmilk.htm](https://www.cdc.gov/breastfeeding/recommendations/handling_breastmilk.htm)



\*DO NOT refreeze breast milk that has been thawed.



\*DO NOT feed the baby with milk that has been forgotten or left outside.

## Storage

Refrigerate or chill milk right after it is pumped, if possible. You can put it in the refrigerator, place it in a cooler or insulated cooler pack, or freeze it in small (2- to 4-ounce) batches for later feedings. Pumped milk, at room temperature (< 77°F) is safe to use without being refrigerated for up to 4 hours after pumping.

## Freezing

- Breast milk should be stored and frozen only in designated milk bags.
- Write the date on the storage container. Include your child's name if you are giving the milk to a childcare provider.
- Make sure to fill the bags only  $\frac{3}{4}$  full. The bulk of the milk rises when frozen.
- We suggest you label the bags with the date on which the milk was frozen.
- Do not use the breast milk if you have spotted that the bag has been torn. This may have allowed for bacteria to enter the milk and render it unusable.

## Thawing

- Do not thaw breast milk in a microwave or in a pan of boiling water. By doing so, the milk's important components will break apart, and its nutritious value will decrease.
- To preserve breast milk components, thaw the milk overnight in the refrigerator, and prepare meals beforehand.
- Alternatively, hold the bottle or bag in warm water (max.37°C / 98.6°F).
- Gently swirl the container to mix the cream part of the breastmilk that may rise to the top back into the rest of the milk. Do not shake the milk. This can make some of the milk's valuable parts break down

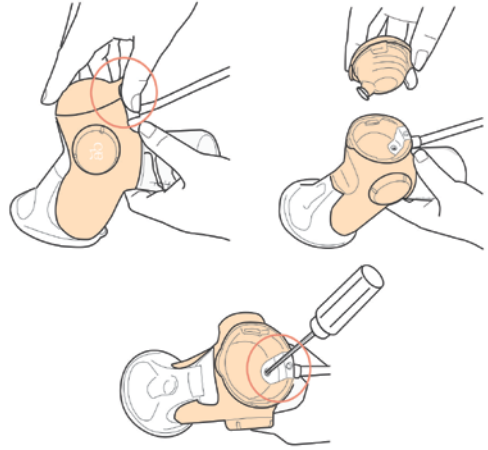
**Annabella's bottles are not freezer safe!**

# 10 | Troubleshooting

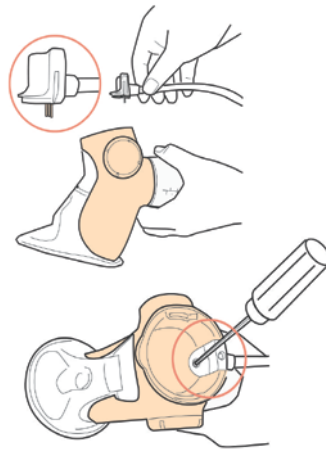
PROBLEM	SOLUTION
<b>Suction is too low</b>	<ul style="list-style-type: none"><li>● Make sure all parts are dry and properly assembled (refer to Chapter 6 to check proper assembly).</li><li>● Make sure to replace the vacuum seal and duckbill valve after 3 months of use.</li><li>● Make sure there are no kinks in the vacuum tube.</li><li>● Make sure to hold the breast shield firmly against your breast.</li><li>● Make sure not to pull on the vacuum seal cover or vacuum tube while expressing.</li></ul>
<b>Pump does not start</b>	<ul style="list-style-type: none"><li>● Check battery.</li><li>● Unplug the pump - the pump cannot operate while charging.</li></ul>
<b>There is humidity or fluids in the tube</b>	<ul style="list-style-type: none"><li>● Replace vacuum tube immediately.</li><li>● Warning! Failing to replace the vacuum tube may damage the pump and render it unusable.</li></ul>
<b>Display Error – "E1" and "E2"</b>	<ul style="list-style-type: none"><li>● Turn the device off and on again.</li><li>● In case the error reoccurs, contact customer care.</li></ul>
<b>Massage Unit Error – "E3"</b>	<ul style="list-style-type: none"><li>● Reassemble the pump again according to the instructions on Chapter 6</li><li>● Turn the pump off and on again.</li><li>● Turn on the pump and increase the tongue pace to level 9.</li><li>● Make sure the massage motor is running smoothly.</li><li>● In case the error reoccurs, contact customer care.</li></ul>
<b>Battery Overheat Error – "E4"</b>	<ul style="list-style-type: none"><li>● Turn the pump off and wait 5 minutes for the pump to cool down</li><li>● Turn on the pump.</li><li>● In case the error reoccurs, contact customer care.</li></ul>

## Replacing the vacuum tube:

1. Remove the vacuum cup and unscrew the plastic section with a screwdriver.



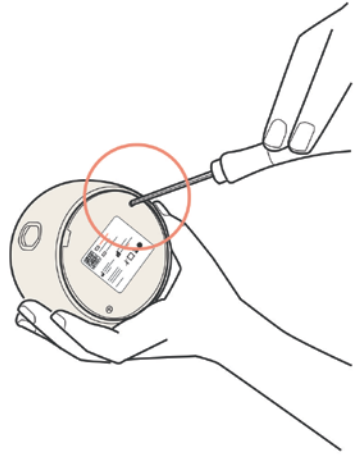
2. Replace with the new vacuum tube, slide the connector in and close the screw. Make sure the pins of the connector are aligned properly.



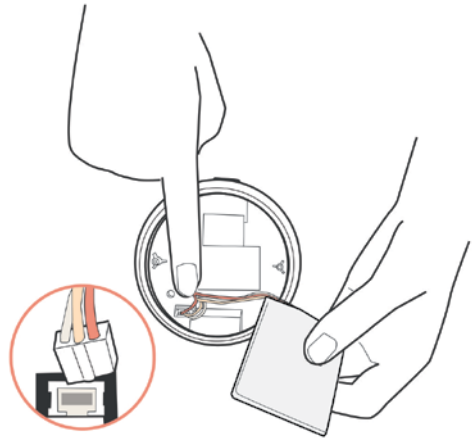
3. Turn the pump on and make sure it is functioning properly.

## Replacing the pump's battery:

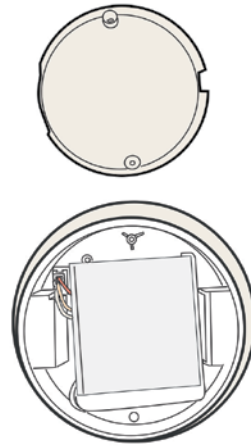
1. Unscrew the two screws on both sides of the pump's back cover.



2. Remove the old battery while making sure to disconnect the connector.



3. Plug in the connector of the new battery and place the battery next to the cables while the yellow tape is opposite to the connector
4. Screw back the plastic cover.
  - Charge the battery.
  - Try turning the device on again.



Please make sure to follow the disposal instruction in Chapter 10 when replacing the battery.

Please visit the Annabella website for the most updated troubleshooting. The pump is not a serviceable device. If you have tried all the previous options, and none has solved your problem, please contact our customer service.

# 11 | Warranty / Disposal

## **Warranty:**

Thank you for buying an Annabella product. This product is constructed of high-quality materials, and great care has been taken in its manufacturing. It is designed to give you every satisfaction, provided that it is properly operated and maintained as described in this manual.

The Annabella massage unit and pumping unit are covered by a warranty against any defect in materials and/or workmanship for a period of one (1) year, and the washable parts for 45 days from the purchase date.

During this period of guarantee, Annabella will, without charge for labor or parts, repair or replace the defective product or any defective parts.

The guarantee does not cover any of the following:

- a.** Transport costs and risks of transport.
- b.** Costs for repairs and / or defects resulting from repairs done by unauthorized persons.
- c.** Failure or wear of optional parts or other attachments other than the main device itself, unless explicitly guaranteed above.
- d.** Costs arising due to non-acceptance of a claim (those will be charged for).
- e.** Damages of any kind, including personal caused accidentally or from misuse.
- f.** Any damage resulting from incorrect use or use that differs from the instruction listed in this manual.
- g.** General wear and tear.

Please contact customer care in any case of defects covered by the warranty.



Repair or replacement under the guarantee does not give rise to any extension or renewal of the guarantee period.



The guarantee will be granted only if the complete product is returned together with the original.

### Disposal:



Do not throw in trash. Send to a recycling center.

The Annabella breast pump contains parts from different materials, please make sure to separate the parts and dispose according to the following instructions:

-  All washable parts as described in Chapter 5, are made of plastic and silicon and should be recycled according to local regulation.
-  The massage unit, pumping unit and the vacuum tube are electric/electronic equipment and should be disposed separately according to local regulation.

# 12 | EMC / Technical Description

The Annabella pump is intended for use in the electromagnetic environment specified below. The customer or the user of the Annabella pump should assure that it is used in the specified environment

## Electromagnetic Emissions

EMISSION TESTS	COMPLIANCE	ELECTROMAGNETIC ENVIRONMENT - GUIDANCE
RF emissions CISPR 11	Group 1	The Annabella pump uses RF energy only for its internal function. Therefore, its RF emissions are very low and are not likely to cause any interference in nearby electronic equipment.
RF emissions CISPR 11	Class B	The Annabella pump is suitable for use in all establishments, including domestic establishments and those directly connected to the public low-voltage power supply network that supplies buildings used for domestic purposes.
Harmonic emissions IEC 61000-3-2	Class A	
Voltage fluctuations / flicker emissions IEC 61000-3-3	Complies	



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

IMMUNITY TESTS	IEC 60601 TEST LEVEL	COMPLIANCE	GUIDANCE
Electrostatic discharge (ESD) IEC 61000-4-2	± 8 kV contact ± 15 kV air	± 8 kV contact ± 15 kV air Pass	Floors should be wood, concrete or ceramic tile. If floors are covered with synthetic material, the relative humidity should be at least 5 %.
Electrical fast transient / burst IEC 61000-4-4	± 2 kV → ± 1 kV	2 kV for power supply lines	Mains power quality should be that of a typical commercial or hospital environment
Surge IEC 61000-4-5	± 0.5 kV line( s ) to line(s) ± 1 kV line( s ) to line(s)	1 kV line to line (Class II equipment)	Mains power quality should be that of a typical commercial or hospital environment.
Voltage dips, short interruptions and voltage variations on power supply input lines IEC 61000-4-11	0 % $U_T$ for 0,5 cycle 0 % $U_T$ for 1 cycle 70 % $U_T$ for 25/30 cycles 0 % $U_T$ for 250/300 cycles	0 % $U_T$ for 0,5 cycle 0 % $U_T$ for 1 cycle 70 % $U_T$ for 25/30 cycles 0 % $U_T$ for 250/300 cycles	Mains power quality should be that of a typical commercial or hospital environment. If the user of the equipment requires continued operation during power mains interruptions, it is recommended that the equipment be powered from an uninterruptible power supply or a battery.

IMMUNITY TESTS	IEC 60601 TEST LEVEL	COMPLIANCE	GUIDANCE
Power frequency (50Hz) magnetic field IEC 61000-4-8	30 A/m	30 A/m	Power frequency magnetic fields should be at levels characteristic of a typical location in a typical commercial or hospital environment.



NOTE:  $U_T$  is the a.c. mains voltage prior to application of the test level.

### Guidance and manufacturer's declaration – electromagnetic IMMUNITY for HOMEHEALTH ENVIRONMENT ME EQUIPMENT and ME SYSTEMS

IMMUNITY TEST	IEC 60601 LEVEL	COMPLIANCE LEVEL
IEC 61000-4-6 Conducted RF	3 Vrms 150 kHz to 80 MHz 6 Vrms in ISM bands (6.765 MHz to 6.795 MHz; 13.553 MHz to 13.567 MHz; 26.957 MHz to 27.283 MHz; and 40.66 MHz to 40.70 MHz) and amateur bands (1.8 MHz to 2.0 MHz, 3.5 MHz to 4.0 MHz, 5.3 MHz to 5.4 MHz, 7 MHz to 7.3 MHz, 10.1 MHz to 10.15 MHz, 14 MHz to 14.2 MHz, 18.07 MHz to 18.17 MHz, 21.0 MHz to 21.4 MHz, 24.89 MHz to 24.99 MHz, 28.0 MHz to 29.7 MHz and 50.0 MHz to 54.0 MHz)	[V] = 3 Vrms  [V] = 6 Vrms

IMMUNITY TEST	IEC 60601 LEVEL	COMPLIANCE LEVEL
IEC 61000-4-3 Radiated RF	10 V/m 80 MHz to 2.7 GHz	[E] = 10 V/m
Proximity fields from RF wireless communications equipment	385 MHz	27 V/m
	450 MHz	28 V/m
	710 MHz	9 V/m
	745 MHz	
	780 MHz	
	810 MHz	28 V/m
	870 MHz	
	930 MHz	
	1720 MHz	28 V/m
	1845 MHz	
	1970 MHz	
	2450 MHz	28 V/m
	5240 MHz	9 V/m
	5500 MHz	
5785 MHz		
IEC 61000-4-39 Immunity to magnetic fields in close proximity	8 A/m 30 kHz 65 A/m 134.2 kHz 7.5 A/m 13.56 MHz	8 A/m 30 kHz 65 A/m 134.2 kHz 7.5 A/m 13.56 MHz



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 not be used closer than 30 cm (12 inches) to any part of the Annabella pump.

### ELECTROMAGNETIC ENVIRONMENTS

ENVIRONMENT	LOCATIONS	GENERAL CHARACTERISTICS
Residential	Doctor's office, small clinic	Not controlled, health care professional present
Residential	Home	Not controlled, health care professional not normally present
Transport, mobile	Car, aircraft (fixed-wing and helicopter), ambulance	Not controlled, wide variations, critical receivers nearby, harsh environments for ESD, RF, electric and magnetic fields
Special	Operating theatre, emergency room	Case-by-case examination of environment

# 13 | Technical Specifications

## 1. Vacuum

### Stimulation mode:

Minimum: 35 mmHg

Maximum: 130 mmHg

### Expression mode:

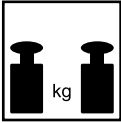
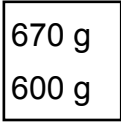


Minimum: 33 mmHg

Maximum: 250 mmHg

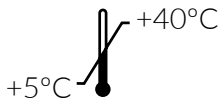
## 2. In: 100-240V ~ 50/60 Hz, 0.3-0.12A

Out: 5V 2A

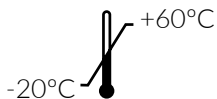
## 3. 3.7V, 3500mAh, Li-ion

4.    

## 5. Operation temp



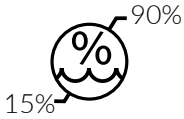
## 6. Transport / Storage temp



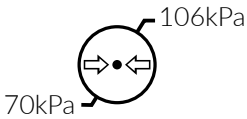
7. Operation humidity



8. Transport / Storage humidity



9. kPa



10. Cycles per Second (Stimulation): 1.66-2.0 [Hz]

Cycles per Second (Expression): 0.8-1.44 [Hz]

11. Use life:

Annabella has an expected operating life of 250 hours of usage.

**Expected service life:**

Expected service life = Shelf life (12 months) + System use lifetime (250 hrs)









