



Premere Smart

User Manual



Attention: Please note the version control number: MAN.00 - 10216350123

Manufacturer

Zammi Instrumental Ltda.



CNPJ: 30.450.803/0001-09

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ATTENTION:

Zammi assumes no responsibility for any damages caused to individuals or property, caused by the incorrect use of this equipment, whether by use in non-compliance with the information, recommendations and warnings presented in the user manual, modifications made to the equipment, attempts to repair it outside the authorized network, operation by unqualified personnel, use of defective equipment or use of accessories and parts not supplied by the manufacturer. For information on warranty or technical assistance, contact Zammi technical support. Email: assistenciatecnica@zammi.com.br

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1. Introduction

1.1 Purpose

The Premere Smart is an automatic inflator for Pressure Bags, designed to inflate and automate the repetitive process of air replacement to maintain pressure in the Pressure Bag. This event occurs continuously with the reduction in the volume of the serum bottle due to the infusion. The Premere Smart automatically inflates and adjusts the pressure applied to the Pressure Bag in order to maintain stable pressure within the limit of 300 mmHg +/- 3%.

NOTICE:



Before installing the equipment, carefully check whether there is any abnormality or visible damage caused by impact or improper handling during transportation.

1.2 About the manual

The purpose of this manual is to explain how the Premere Smart works, alerting the user to safety risks. The information contained in this manual is the property of Zammi and may not be duplicated in part or in whole without written permission. Zammi reserves the right to make changes to improve the manual and the product without prior notice.






2. Safety Information

2.1 General notices



IMPORTANT: This equipment must only be operated by qualified technical personnel.

2.2 Glossary of standard symbols:

	Attention: use only as instructed in this manual
	On/Off button
	Indicates the Manufacturer
	Indicates the serial number of the equipment
	Indicates that the equipment must be protected from moisture

2.3 Equipment care

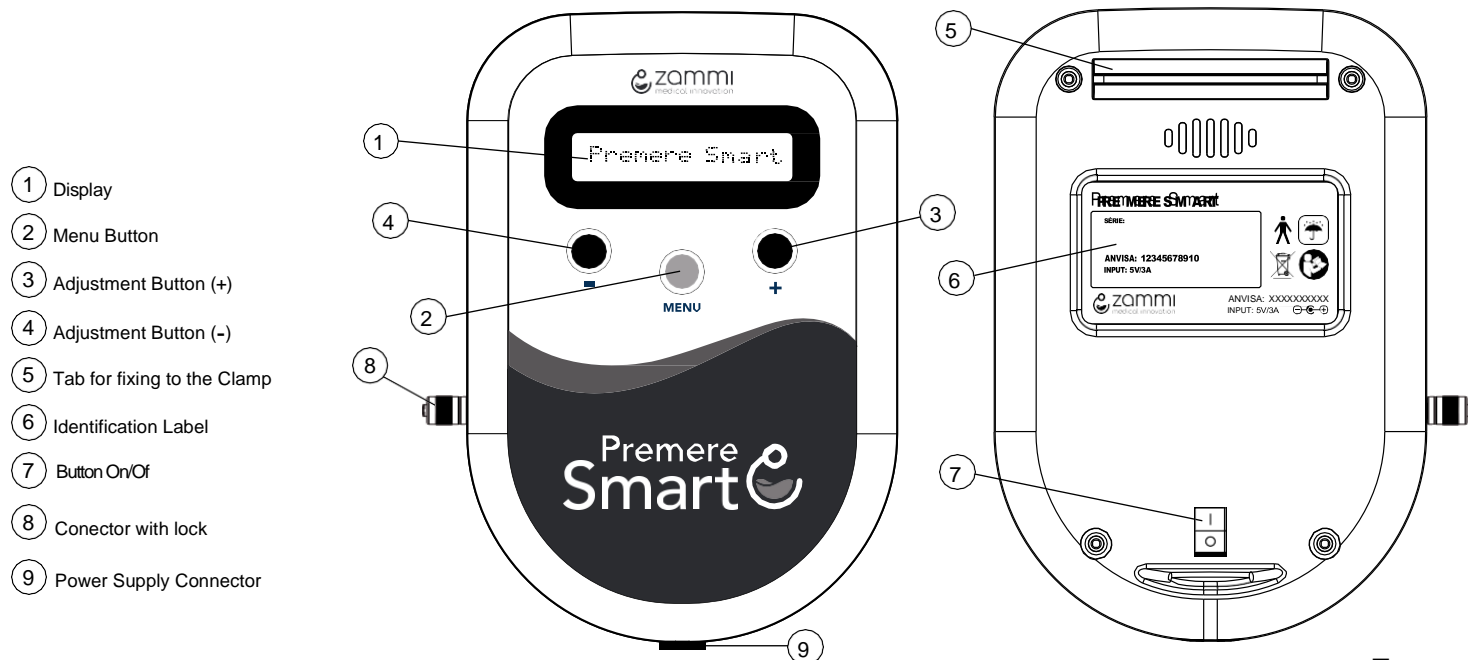
- Always use the supplied clamp to secure the equipment.
- Keep the equipment in a dry environment, avoiding places where liquids may spill on it.
- Do not use the equipment if it is wet or excessively humid.
- Always keep the equipment and its accessories clean and in good condition.
- Handle with care to avoid the risk of dropping it on the ground. Dropping it on the ground may damage the equipment and cause it to malfunction or stop working permanently.
- In the event of a drop, if any damage is suspected, do not use the equipment.
- Use only the power supply supplied with the equipment.
- Test the equipment before use.

2.4 Disposing of the equipment

Dispose of this equipment in accordance with the health service's solid waste management plan.

3. The equipment

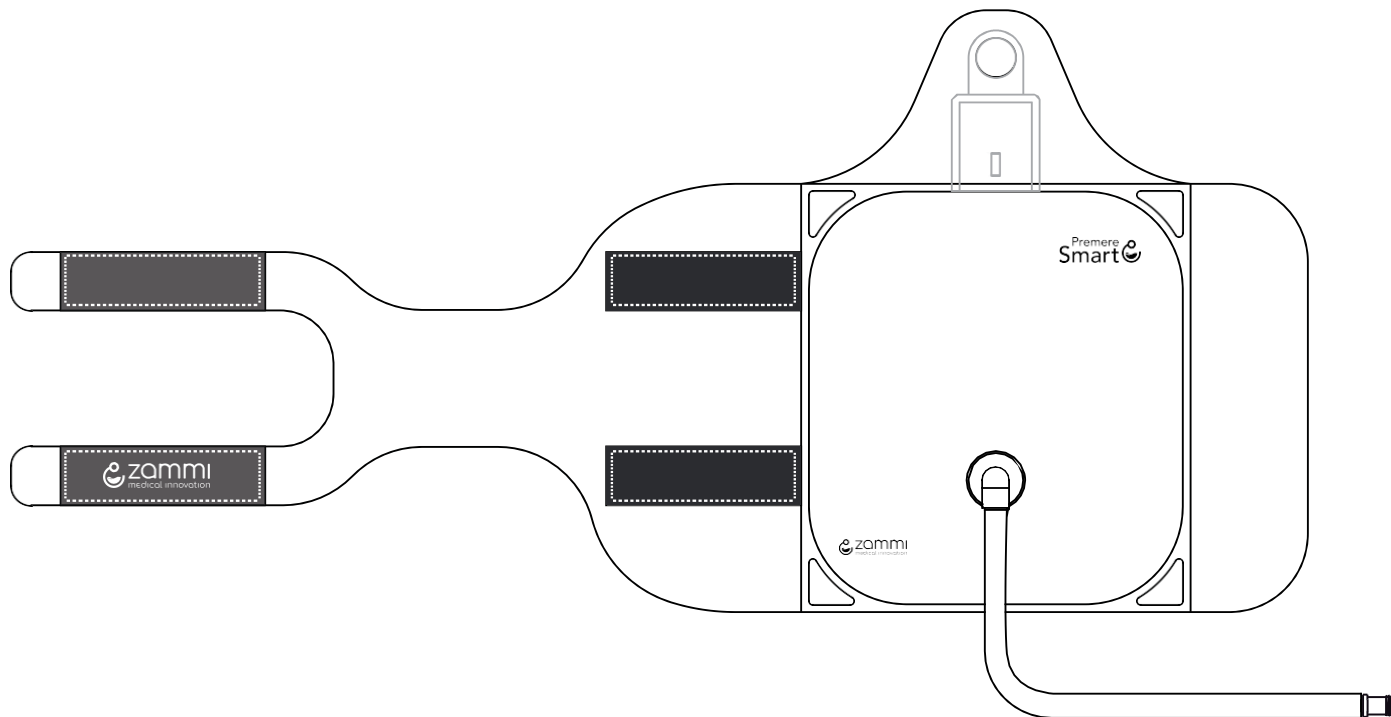
3.1 Front and Back View



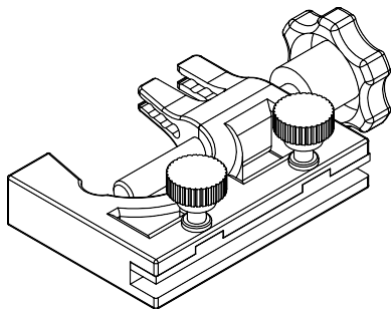
Atenção: Observar o número de controle da versão: MAN.00 - 10216350123

3.2. Accessories:

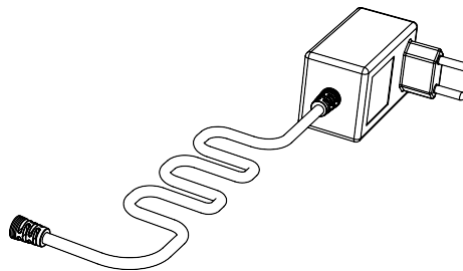
3.2.1 Pressurizing Bag:



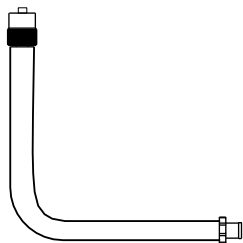
3.2.2 Clamp:



3.2.3 Power Supply:



3.2.4 Extension:

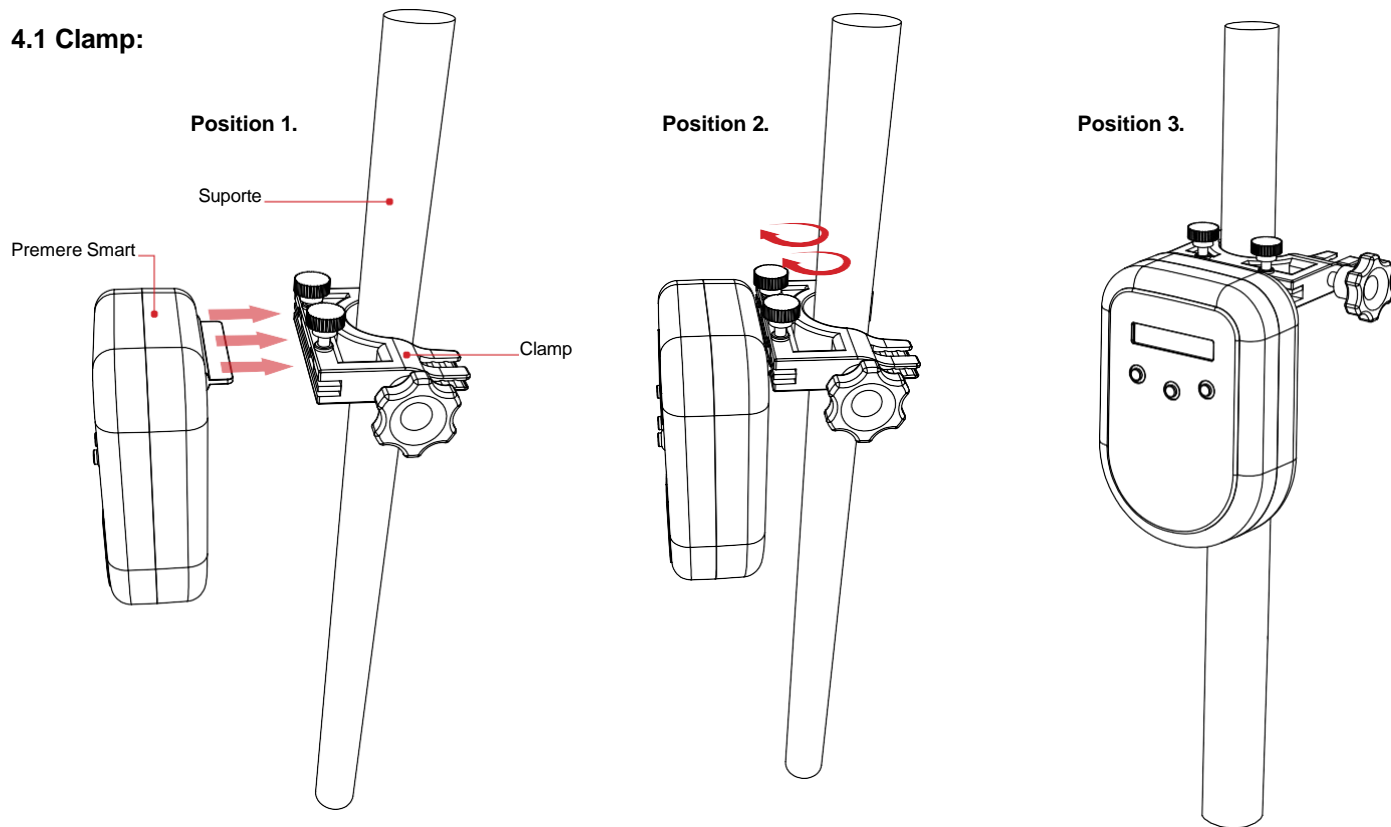


3.2.5 Ypsilon:



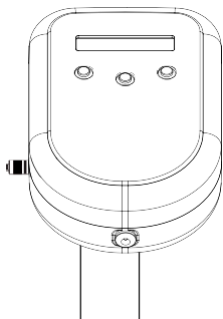
4. Instalation:

4.1 Clamp:

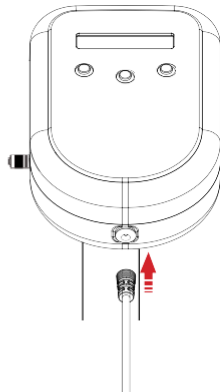


4.2 Power Supply:

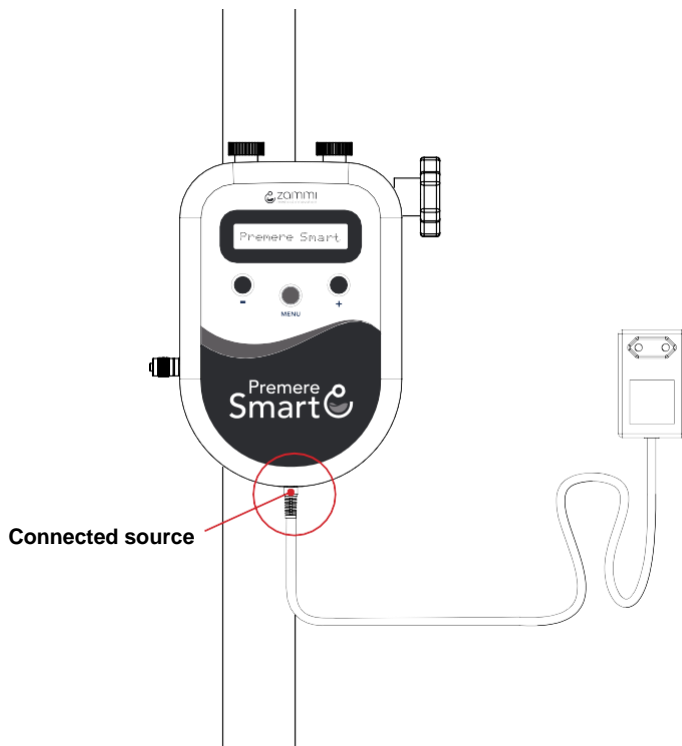
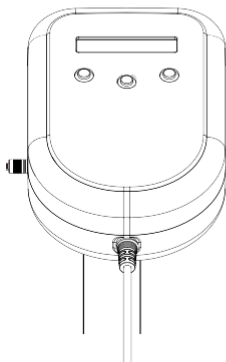
Position 1.



Position 2.

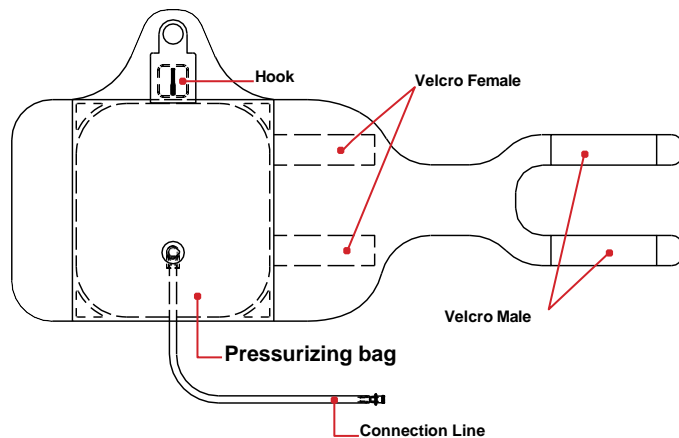


Position 3.

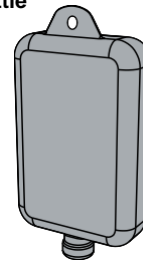


4.3 Pressurizing bag:

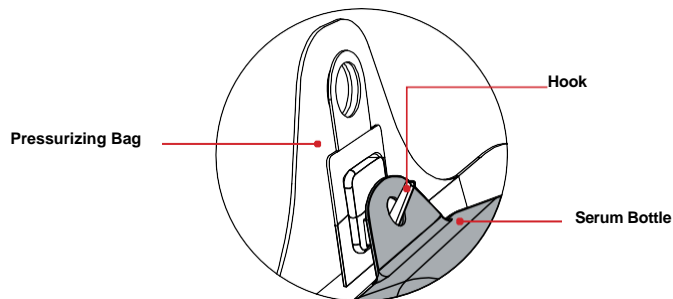
4.3.1 Serum Bottle Assembly Part 1



Serum Bottle

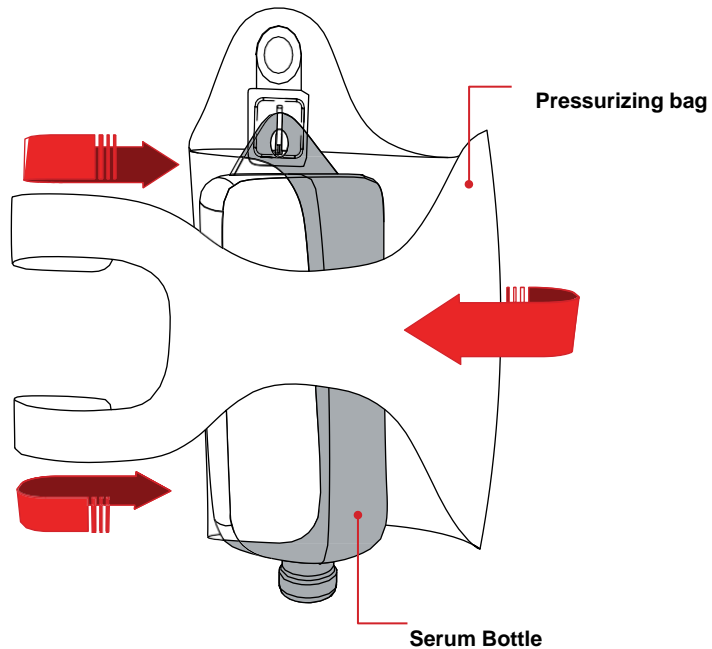


Detail

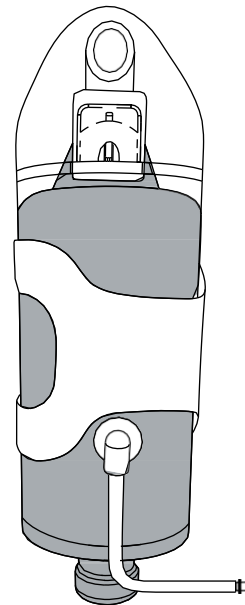


4.3 Pressurizing bag

4.3.1 Serum Bottle Assembly Part 2:



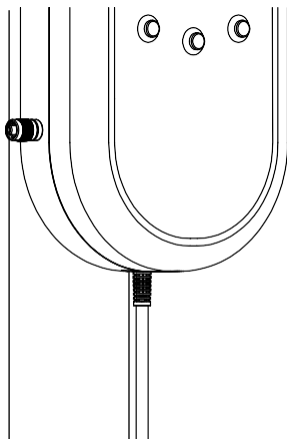
Serum Bottle Mounted on Pressurizing Bag



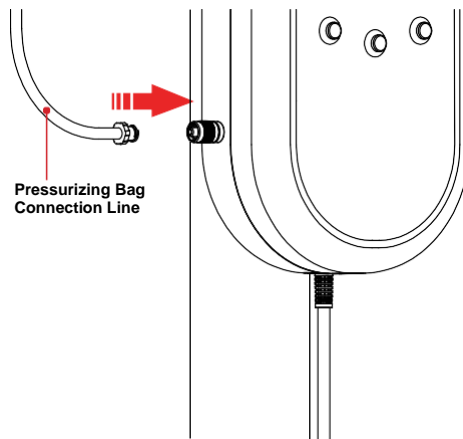
4.3 Pressurizing bag:

4.3.2 Connection Pressurizing bag / Premere Smart parte 1:

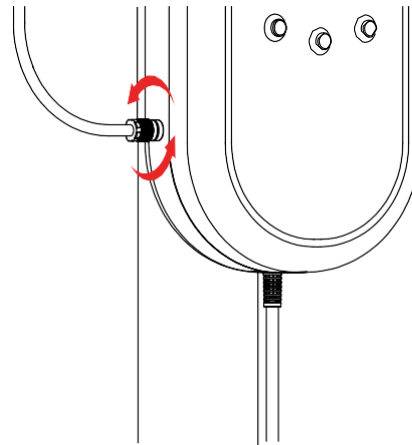
Position 1.



Position 2.

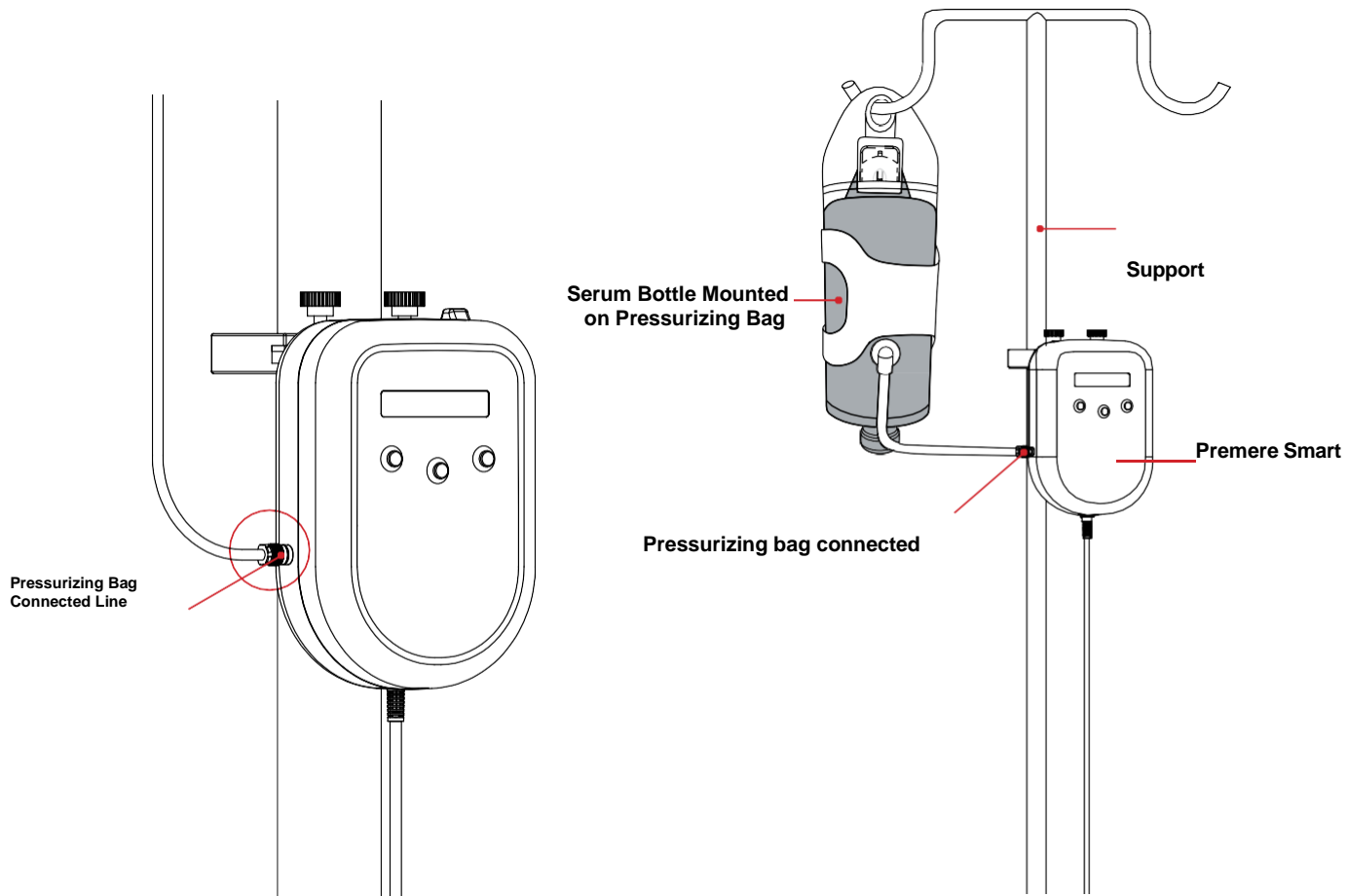


Position 3.



4.3 Pressurizing Bag:

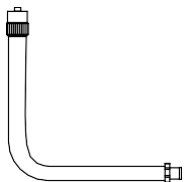
4.3.2 Connection Bolsa Pressurizadora / Premere Smart parte 2:



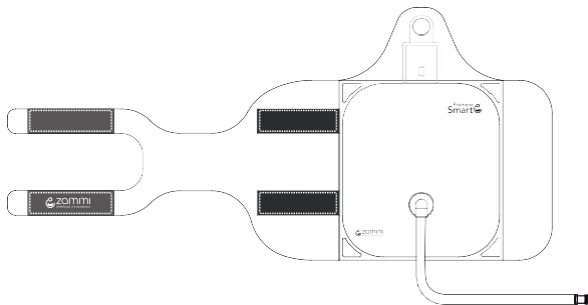
4.3 Pressurizing bag:

4.3.3 Extension assembly:

Extension:

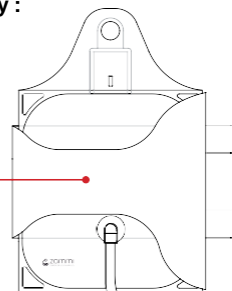


Pressurizing Bag:



Assembly :

Pressurizing Bag
500ml / 1000ml



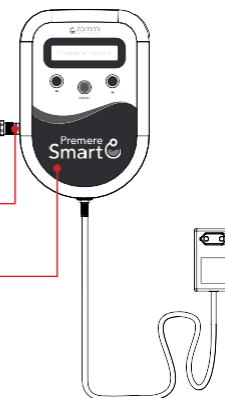
Pressurizing Bag
Connection Line

Extension connected
to Pressurizing Bag

Extension

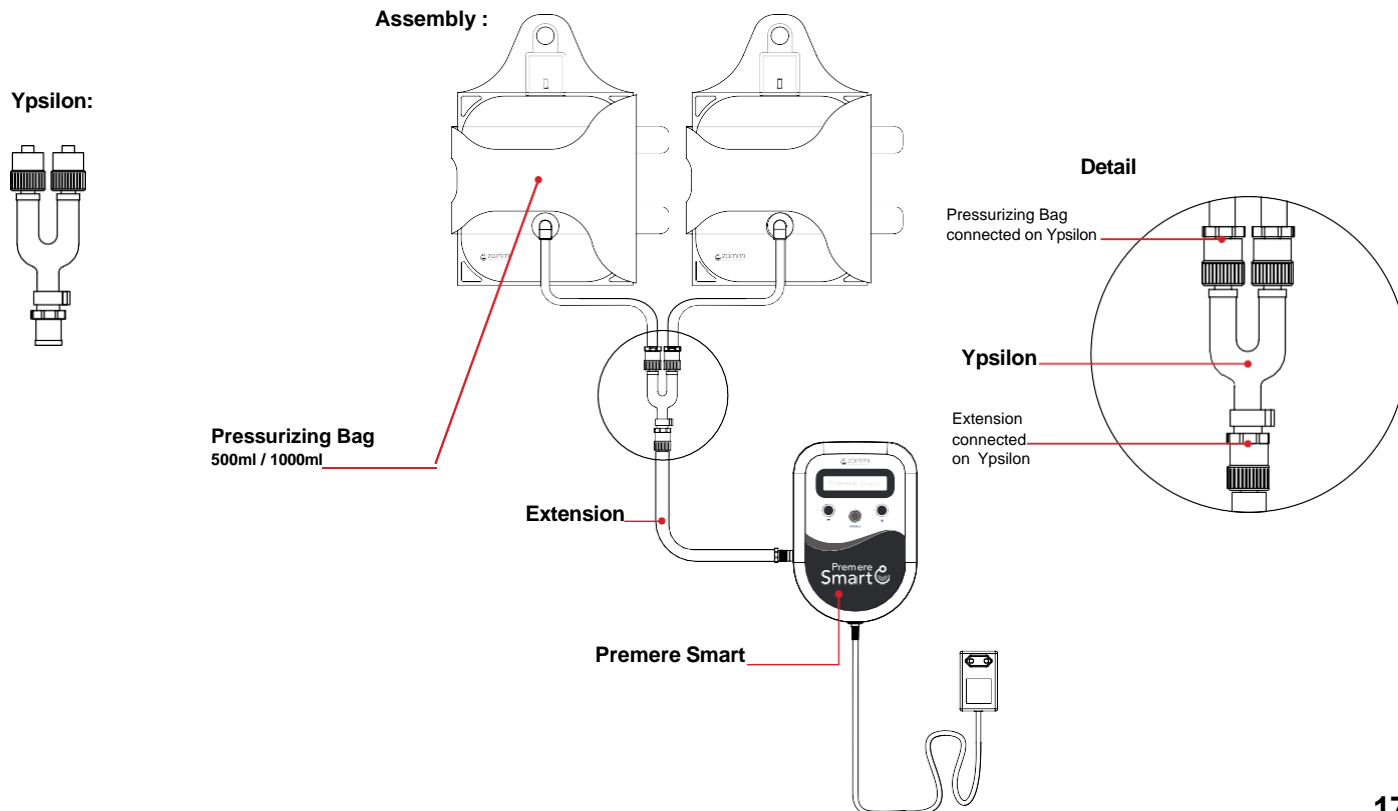
Extension
connected on
Premere Smart

Premere Smart



4.3 Pressurizing bag:

4.3.4 Ypsilon's assembly:



5. Display and operation:

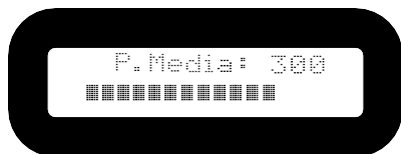


5.1 Turning On dispositive:

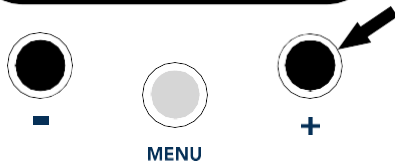
- Prepare the Pressurizing bag system and the serum bottle;
- Plug the power supply into the equipment;
- Press the power button (page 7, figure 7) on the back of the Equipment;
- Wait for the system to start.

5.2 Inflate

- When pressing the + button (3), the system inflates up to 300 mmHg.

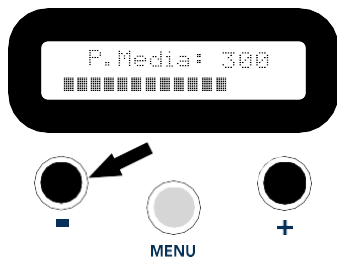


- The system remains stable pressure adjustment within the limit of 300 mmHg.



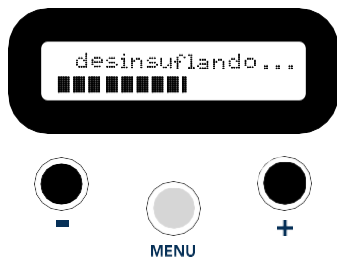
5.3 Leakage

- If there is a connection failure in the pneumatic system, the equipment will sound an alarm and indicate a leak on the screen.
- After the leak has been repaired, press the + button (3) again and the system will return to normal operation.

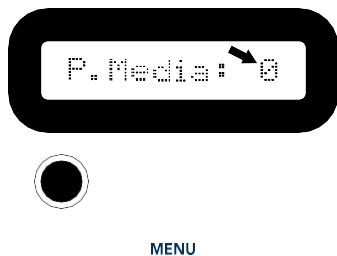


5.4 Deflating

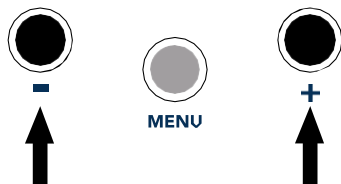
- To deflate the Pressure Bag, press the - button (4).



- The screen will show the decreasing bar graph.
- While deflating, the buttons will be locked for use.



- After deflating completely, if everything is correct in the system, the average pressure will show 0 mmHg.



5.5 Contrast

- Press the Menu button twice to enter the contrast adjustment mode.

- On the contrast adjustment screen, you can increase it using the + button (3) or decrease it using the - button (4).

- To return, press the Menu button.

5.6 Settings

The Premere Smart does not allow you to modify the Factory programming.

IMPORTANT:

- Some menu items may be locked due to the operation of the unit.

6. OPERATION

6.1 Quick guide

- Position the Premere Smart in an area free from liquid splashes and excessive heat.
- Attach the Premere Smart to the Clamp;
- Monte o Frasco de Soro na Bolsa Pressurizadora;
- Mount the Serum Bottle on the Pressurizing Bag;
- Connect the Pressurizing Bag to the Premere Smart;
- Turn on the Premere Smart using the on/off button (page 7, figure 7);
- Wait for the system to load;
- Use the right button + (3) on the control panel to activate inflation;
- The Premere Smart will inflate the Pressurizing Bag until it reaches 300 mmHg;
- With the pressure at 300 mmHg, the Premere Smart will remain in standby mode, only monitoring the pressure of the Pressurizing Bag and adjusting it when necessary. To remove the serum bottle:
- Use the left button - (4) to deflate the bag;
- When the bag is completely empty, remove the bottle.

7. Maintenance

7.1 Preventive maintenance

It is recommended that the Premere Smart be inspected by a qualified technician every 12 months. Contact Zammi for information on qualified and trained personnel to perform preventive maintenance. Periodically inspect the power cord of the device's external source, cables and connectors, observing any breaks in the insulation or internal conductors.

7.2 Corrective maintenance

Whenever repairs to the equipment are necessary, this should only be carried out by Zammi or an authorized representative, under penalty of loss of warranty and improper operation of the equipment.

There are no internal parts that can be repaired by the user.

7.3 Cleaning

It is recommended that the equipment and its accessories be cleaned every three months, or for shorter periods whenever dirt or contamination is evident. The cleaning procedures are as follows:

EXTERNAL PARTS OF THE EQUIPMENT

- Disconnect the device from the electrical outlet before cleaning.
- Clean the outside of the device with a cloth slightly dampened in water and mild soap and then dry with a dry cloth.
- Never immerse the equipment in liquids.

CABLES

- Clean with a cloth dampened in warm water and mild soap.
- Never immerse.
- Do not sterilize.

7.4 Returning the Equipment

If you need to return your Premere Smart for repairs, please contact Zammi to receive shipping instructions. Be prepared to provide the serial number of the equipment. If possible, use the original packaging box that the product came in. If this is not possible, use a suitable box and protect the display well.

8. Precautions, Warnings and Notices

8.1 Precautions



Risk of ELECTRIC SHOCK:

Nunca retire as tampas do aparelho. Quando necessário, deverá ser realizado por pessoal qualificado.

Never remove the covers of the device. When necessary, this should be done by qualified personnel.

Read and follow the product's instructions for use;

Read and follow the equipment care instructions, section 2.4 of this manual.

Avoid keeping the device exposed to excessive humidity or in a position where the device may be splashed with liquids.

Keep the Premere Smart in a dry environment, avoiding places where moisture may accumulate on its Display. Position the tube connected to the Pressurizing Bag in such a way as to restrict the possibility of strangulation or bending of the extension line.

Always keep the device and its accessories clean and in good condition. Check the condition of the Pressurizing Bag used with the Premere Smart.

In case of leakage, replace the Pressurizing Bag.

8.2 Warnings



Ahe use of accessories and cables other than those specified, with the exception of those supplied by Zammi, may result in risks to the patient, reduction of the equipment's useful life and loss of warranty.

This product must be used by medical or paramedical personnel trained and qualified to use the product;

The maintenance of this equipment must only be performed by personnel qualified by Zammi Instrumental.

8.3 Notices



Use only original Zammi cables and connectors.

If you suspect that the cable or connectors have broken, avoid using them.

9. Specifications

9.1 General

Dimension

Height: 188mm

Width: 143mm

Depth: 75mm

Weight: 440g

9.2 Electrical

Power Supply

Input: 100-240 V AC 50/60Hz

Output: 5 V DC 3A

Operating Temperature: Room Temperature

9.3 Environmental

Temperature

- Operating 10 a 40 °C
- Storage: -10 a 60 °C

Humidity

- Operating: 15% a 90%
- Storage: 10% a 95%

9.4 Lifespan:

Indeterminate/Not applicable (equipment and instruments)

10. Accessories:

10.1

Standard accessories

- Power supply
- Clamp

10.2

Optionals accessories

- 500 ml pressurizing bag (exclusive use).
- 1000 ml pressurizing bag (exclusive use).
- Extension for bag connection (exclusive use).
- Ypsilon adapter (use exclusive).

11. Warranty

For information about the product warranty, see the Warranty Terms on the company's website.

Premere
Smart 

ZAMMI INSTRUMENTAL LTDA.

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