

# Using Avance® Solo

A few things to keep in mind if you are receiving treatment with Avance® Solo negative pressure wound therapy (NPWT) system.





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**Note:** You should immediately contact your healthcare professional if you experience any problems. This includes bleeding, elevated blood pressure or issues with the device. For any questions, reach out to your caregiver:

Name: \_\_\_\_\_

Phone: \_\_\_\_\_

Email: \_\_\_\_\_

You are receiving treatment with Avance® Solo NPWT from Mölnlycke®. This brochure will inform you on how to use and care for the device. Please read it carefully.

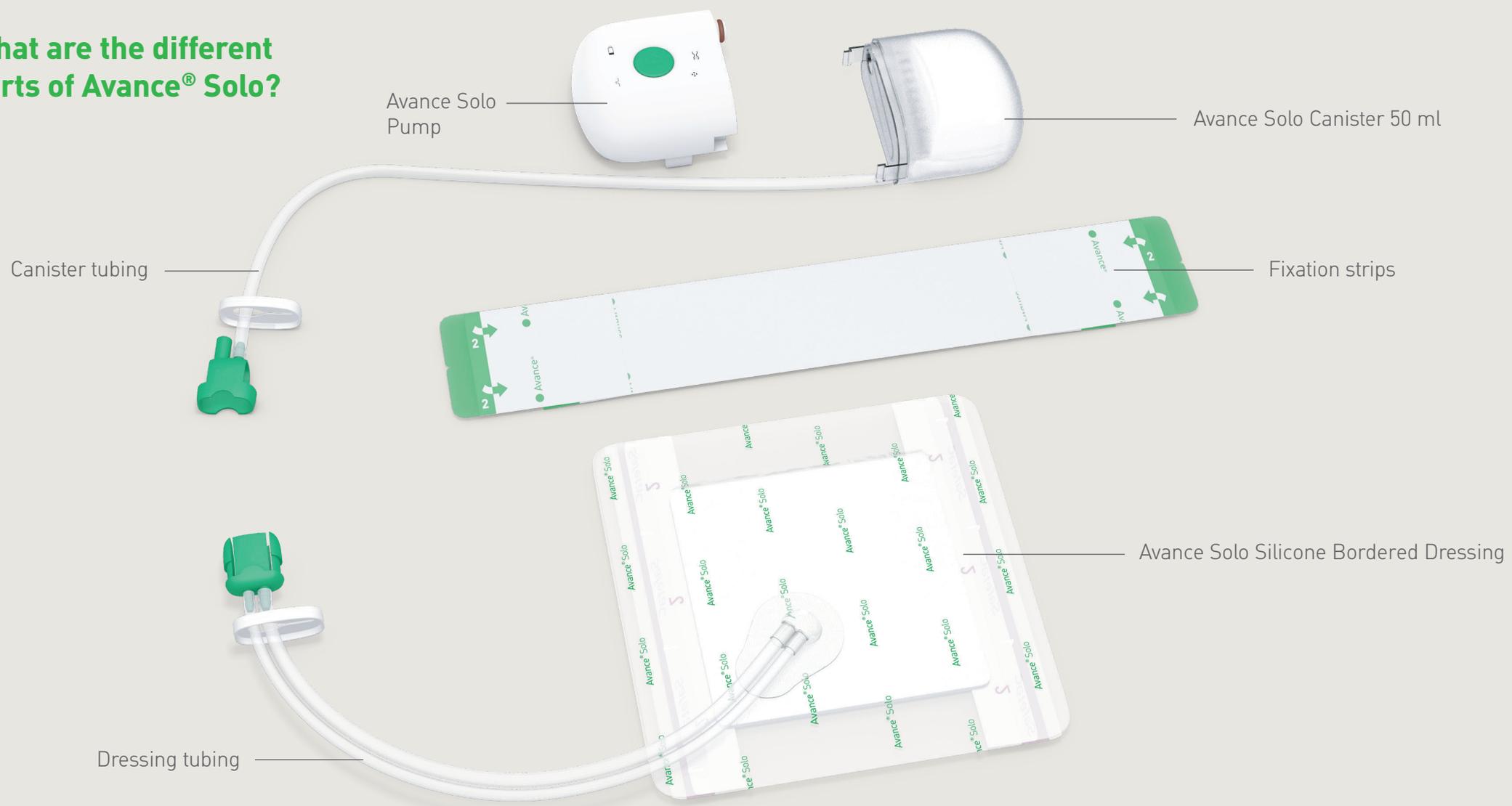
## What is Negative Pressure Wound Therapy (NPWT)?

Negative Pressure Wound Therapy (NPWT) is a method of treating wounds using suction. The dressing is airtight and the pump creates a subatmospheric pressure, clearing the wound of fluids.

## What are the benefits of NPWT?

- It helps support healing in complex and slow to heal wounds<sup>1</sup>
- It improves wound bed preparation that supports healing<sup>1</sup>
- It helps reduce swelling and protects the wound from external contamination<sup>2</sup>

## What are the different parts of Avance® Solo?



# Things to keep in mind while using Avance® Solo

Avance® Solo is a medical device and it is important that you properly care for it. The information below is gathered from the patient user manual, for complete instructions, warnings and precautions see the patient user manual, included in the product package.

## Do not:

- Change dressings yourself
- Expose the dressing, device, canister or tubing to jets of water, cold or heat (operational temperature 5–40 °C)
- Submerge the dressing, pump, canister or tubing into water
- Use on an aircraft. Remove batteries during air travel
- Disassemble or tamper with the device
- Let children or pets have access to the device

## Important features:

- Make sure you are aware of the visual and audible alarms for leakage, blockage and low battery given by Avance Solo Pump. See page 10 for a list of signals and alarms
- The regular pulsing from the pump is confirmation that the system is operating and constantly removing excess fluid in order to maintain the target pressure level, in the same manner as larger benchtop systems
- Check that the dressing is contracted and firm to the touch. If not, consult a healthcare professional

## Make sure to wear and place the device in a way that avoids:

- Entrapment or strangulation (i.e. tubing spiraled around a body part)
- Knotting or blocking of tubing
- When using the belt clip ensure that it is positioned to either side of your waist. If for comfort or convenience, you position it at the front, remove prior to sitting to avoid the pump being pushed out of the belt clip

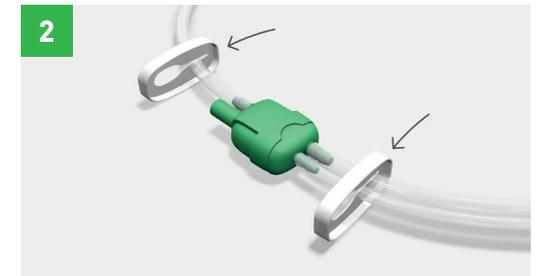
## How to handle your daily hygiene routines

You can take light showers while receiving treatment with Avance® Solo, but it is important that you do not expose the dressing, device, canister or tubing to jets of water. Follow the guide below on how to handle your device correctly during hygiene routines to avoiding contamination.

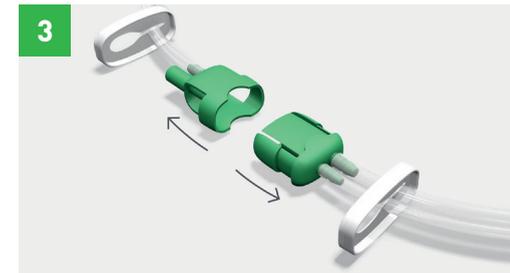
## Follow these steps when taking a light shower:



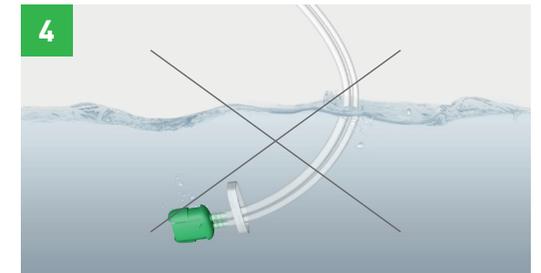
1 Pause therapy by pressing down the green start button, and release after two (2) seconds.



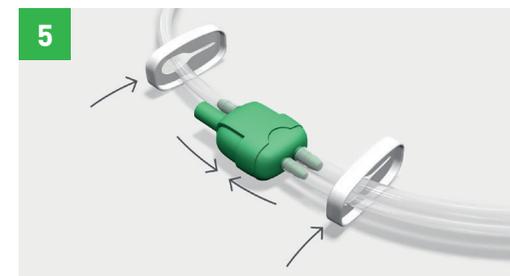
2 Clamp the canister tubing and dressing tubing by positioning the slide clamps next to the green connectors and slide across the tubes until secured.



3 Disconnect the two halves of the green connector, and place the part with the pump safely away from the shower.



4 Ensure that the dressing tubing is not submerged when taking a shower.



5 After showering reconnect the dressing to the pump and canister by fitting the green connectors. Once connected, release the two clamps.



6 Restart therapy by pressing down the green start button, and release after two (2) seconds, until the pump activates and the button flashes.

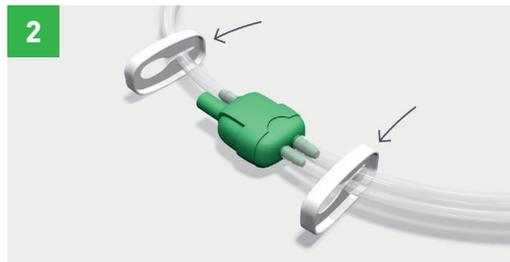
# How to care for your Avance® Solo

## Changing the canister

You can see if the canister should be changed through the transparent window on the back of the canister, if there's a pump blocking alarm. If you are to change the canister, follow the steps below. Always try out changing the canister together with a healthcare professional when receiving Avance® Solo.



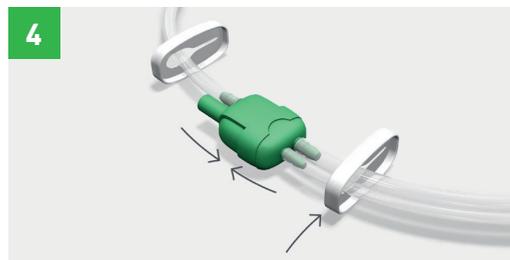
1 Pause the pump by pressing down the green start button, and release after two (2) seconds. The pump will emit two beeps to confirm it is in pause mode.



2 Slide the tubing clamps up close to the green connectors and push both clamps across the tubing to ensure there is no fluid leakage when disconnecting.



3 Release tubing at the back of the pump. Press hard on the side-mounted plastic tabs and pull while gently rocking to disconnect the canister. Connect the new canister. You should expect the canister to be a firm fit, this is normal and necessary for maintaining an effective seal.



4 Recouple the two green connectors, release the clamps on the tubes and restart the pump by pressing down the green start button, release after two (2) seconds. Monitor that the negative pressure is active, the dressing should be contracted and firm to the touch. Dispose of the used canister as directed by your healthcare professional.

## Changing the batteries

You must change the two (2) batteries if there is a low battery alarm, or after 7 days. Only use AA 1,5V GP15LF lithium batteries.

To replace the batteries, perform the following steps:

- If the pump is still active, pause the pump by pressing down the green start button, and release after two (2) seconds
- Open the battery compartment by sliding the lid
- Remove the batteries
- Insert new batteries, ensuring that the positive terminal (marked +) and negative terminal (marked -) of each battery matches the +/- label in the battery compartment
- Close the battery compartment lid
- Restart the pump by pressing down the green start button, release after two (2) seconds. Make sure that the negative pressure is active, the dressing should be contracted and firm to the touch



## Cleaning the device

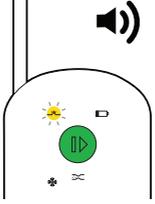
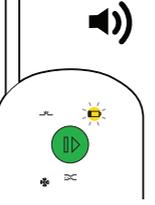
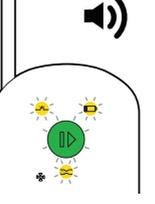
Occasional cleaning of the pump can be performed by wiping with a damp cloth or with a non-abrasive detergent. Do not put the pump under running water.



## What do the signals from Avance® Solo mean?

The device uses various signals to alert you if it is working or if you need to take action. Please make sure that you are able to hear and understand the various signals.

### Alarms and trouble shooting

Audible and visual display description	Possible cause	How to troubleshoot
 <p>The LEAKAGE indicator light flashes once every second. The pump repeatedly alarms with a beep and will then pause.</p>	<p>An air leakage has been detected.</p>	<p><b>To correct a leak:</b> Press around the dressing border and the strips to improve contact with the skin. Check that the canister is attached to the pump, that the canister tubing is attached to the canister, and that the dressing tubing is connected to the canister tubing. Press the green start button to restart the pump. If the leakage is not resolved, the pump will again alarm for leakage and then pause therapy. If this happens, contact your healthcare professional.</p>
 <p>The BLOCKAGE indicator light flashes once every second. The pump repeatedly alarms with a beep and will then pause.</p>	<p>The canister is full or there is a blockage in the tubings.</p>	<p><b>To correct a blockage:</b> Ensure that the tubing is not clamped or kinked. If the canister is full, change the canister according to instructions on page 8 in this document, or in the user manual (included in the product package) under section 7.3. Press the green start button to restart the pump. If blockage is not resolved, the pump will again alarm for blockage and then pause therapy. If this happens, contact your healthcare professional.</p>
 <p>The LOW BATTERY indicator light flashes once every five (5) seconds. When less than 4 hours of battery power remain the LOW BATTERY indicator light flashes once every second and the pump repeatedly alarms with a beep.</p>	<p>The batteries are low.</p>	<p><b>To change batteries:</b> Change the batteries according to instructions on page 9 in this document, or in the user manual (included in the product package) under section 7.4. Only use the type and model of lithium batteries specified for this product by Mölnlycke Health Care. Press the green start button to restart the pump.</p>
 <p>All indicator lights flash at the same time, once every second, and the pump repeatedly alarms with a beep.</p>	<p>Alarm for INTERNAL FAILURE and the pump cannot be started.</p>	<p>Contact your healthcare professional or Mölnlycke.</p>

**References:** 1. Apelqvist, J., Willy, C., Fagerdahl, A.M. et al. Negative Pressure Wound Therapy – overview, challenges and perspectives. *J Wound Care* 2017; 26: 3, Suppl 3, S1–S113. 2. Willy C, Agarwal A, Andersen CA, Santis GD, Gabriel A, Grauhan O, Guerra OM, Lipsky BA, Malas MB, Mathiesen LL, Singh DP, Reddy VS. Closed incision negative pressure therapy: international multidisciplinary consensus recommendations. *Int Wound J* 2016; doi: 10.1111/iwj.12612.

Find out more at [www.molnlycke.co.uk/patientselfcare](http://www.molnlycke.co.uk/patientselfcare)

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