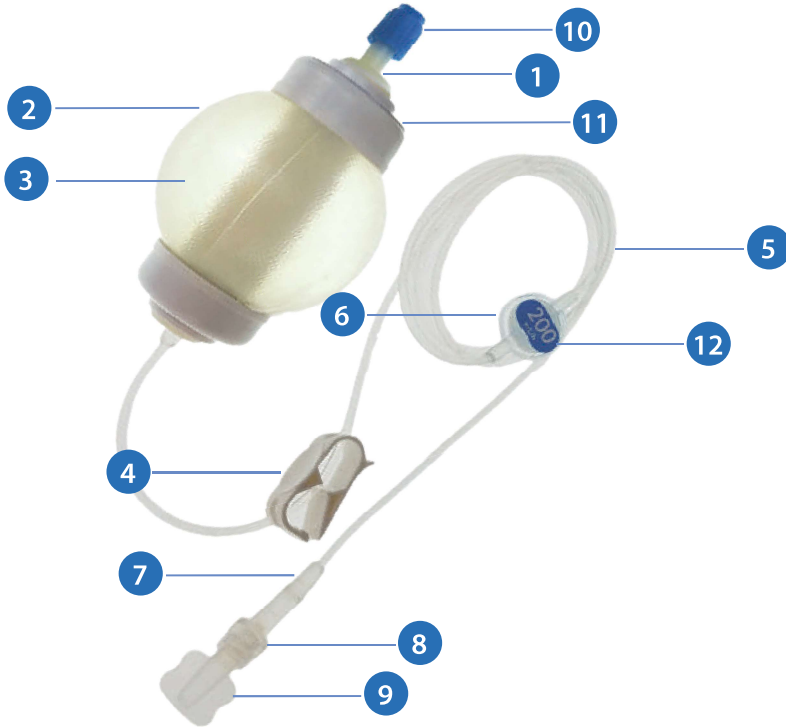


# SMARTeZ™ Elastomeric Infusion Pump

## Patient Guide

### PRODUCT DIAGRAM

- |   |  |
|---|--|
| 1. Fill port                                | 7. Flow restrictor                             |
| 2. Outer soft cover                         | 8. Patient connector                           |
| 3. Clear multi-layered elastomeric membrane | 9. Patient end cap                             |
| 4. ON / OFF clamp                           | 10. Sterile color-coded fill port cap          |
| 5. Non DEHP PVC administration tubing       | 11. Labeling - Fill volume & infusion duration |
| 6. Air and particulate eliminating filter   | 12. Labeling - Flow rate                       |



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## WHAT TO EXPECT

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The SMARTeZ<sup>®</sup> elastomeric pump infuses medication at a fixed flow rate using pressure from the balloon-like drug reservoir against the fixed diameter taper of the administration tubing.

After the pump is filled with medication, it will be connected to your access site and the ON/OFF clamp will be opened. Medication will begin infusing and the pump will deflate at the prescribed flow rate.

**It is important to leave the SMARTeZ<sup>®</sup> elastomeric pump connected to the access site and the clamp in the ON/OPEN position for the prescribed duration of therapy.** Consult your pharmacist or physician for the expected infusion time.

Image of a FULL pump



At the beginning of infusion the inner membrane and soft outer cover will be taut, the pump will be round and firm.

Image of a pump DURING infusion



During infusion the inner membrane will decrease in size and the outer soft cover will begin to form wrinkles.

Image of an EMPTY pump



At the end of the prescribed infusion time the inner membrane will completely deflate and the soft outer cover will collapse.

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## PRECAUTIONS

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1. Do not immerse the pump in water. Protect the filter from getting wet.
2. Avoid getting alcohol or detergents on the filter which may cause leakage from the filter.
3. Do not sleep on the device.
4. Do not exert pressure or play with filled device and take caution when used with immobilized patients. While the device is durable, forcible pressure may result in an increased flow rate, rupture, or breakage.
5. The pump is designed to operate accurately when worn close to the body. The section of tubing from the filter to the patient connector should be kept under clothing and in contact with the body.
6. Temperature will affect the flow rate. Higher temperatures result in slightly shorter delivery times, while lower temperatures result in slightly longer delivery times. Avoid prolonged periods of direct heat or cold.
7. Prior to starting infusion, allow the device to reach room temperature (~23 deg C +/- 2 deg C).

Estimated times below:

Nominal Fill Volume	Refrigerated Temperature	Estimated Time to Reach Room Temp
50ml - 100ml	+2 to +8 deg C	6 hours from refrigerator
50ml - 100ml	-18 deg C	12 hours from refrigerator
100ml+	+2 to +8 deg C	12 hours from refrigerator
100ml+	-18 deg C	18 hours from refrigerator

8. Consult your pharmacist, nurse or physician for the expected infusion duration.

## PREPARATION

In a clean work area as described by your healthcare provider assemble the following supplies:

- > SMARTeZ® pump
- > Alcohol wipe(s)
- > Flush syringe (s)



SMARTeZ®

Person icon

Calendar icon / /

Clock icon : AM PM

Pharmacy icon

Scales icon mg mL

Room Temperature icon

- > Wash you hands thoroughly as directed by your healthcare provider.
- > Be sure the SMARTeZ® pump includes your name and that the medication name and dosage are correct.
- > Review the expiration date and verify that is has not expired.
- > Allow the SMARTeZ® pump to warm to room temperature before use, especially when it has been stored in the refrigerator.
- > Check that the clamp on the tubing is in the Off/Closed position.



Closed position, pump is not infusing.

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## CONNECTING THE DEVICE

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- › Clean your access site as directed by your healthcare provider.
- › Remove the patient end cap from the luer tip end of the SMARTeZ® tubing.
- › Insert the luer tip end of the tubing into your access site and turn the luer lock clockwise to secure the connection. Do not over tighten the luer-lock connection.

*[May be connected at hospital, clinical, or doctor's office]*

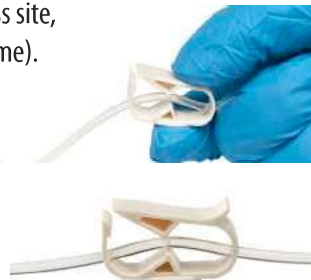


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## STARTING INFUSION

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- › Once the patient connector is connected to your access site, you are ready to begin infusion (make note of start time).
- › Begin infusion by opening the ON/OFF clamp.
- › Ensure the ON/OFF clamp remains in the **ON/OPEN** position and that the tubing remains free of kinks.



**Open position, infusion has started.**

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## ENDING INFUSION

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- › **After the prescribed infusion time has elapsed**, close the clamp, and disconnect the luer tip from your access site.
- › Flush your catheter as prescribed by your healthcare provider.
- › Dispose of supplies.

*[May be disconnected at hospital, clinical, or doctor's office]*

