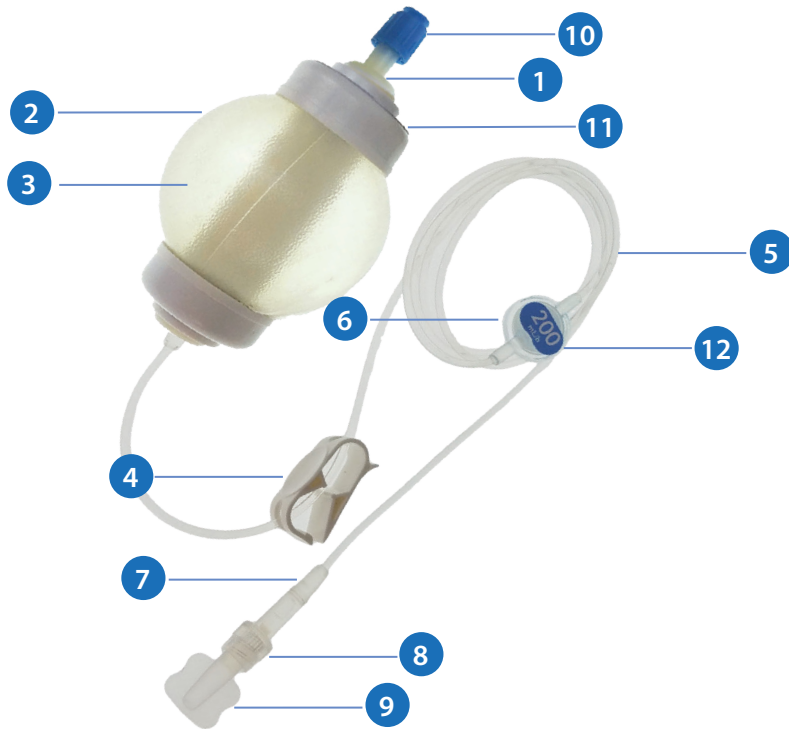


SMARTeZ® Elastomeric Infusion Pump Patient Guide

PRODUCT DIAGRAM

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



WHAT TO EXPECT

The SMARTeZ® pump delivers medication using a balloon-like ball and a flow restrictor in the tubing.

A pump filled with medication will be connected to your access site and the ON/OFF clamp will be opened. **The pump must be connected with the clamp in the ON/OPEN position for the full infusion time.** Talk to your pharmacist or physician for the expected infusion time.

Image of a FULL pump



The inside of the pump will be filled with drug and will be round and firm. The outer cover will be smooth and stretched over the ball

Image of a pump DURING infusion



During the infusion the inside ball will decrease in size and the outer cover will begin to form wrinkles.

Image of an EMPTY pump



At the end of the infusion the inner ball will become a tall cylinder and the outer cover will collapse.

Note: Images above are SMARTeZ® standard pumps and are used for visualization purpose only.

PRECAUTIONS

1. Do not submerge the pump in water.
2. Protect the filter from getting wet.
3. Make sure the tubing is free of kinks and the clamp is in the ON/OPEN position for full infusion time. If kinks are observed in the tubing, roll the tubing between your fingers to release the kink.
4. Do not get alcohol or detergents on the filter which may cause a leak.
5. Do not sleep on the pump.
6. Do not squeeze or play with the filled pump and take caution when used with immobilized patients.
7. The section of tubing from the filter to the patient connector should be kept under clothing and in contact with the body.
8. Avoid prolonged periods of extreme heat or cold.
9. Prior to starting infusion, allow the pump 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

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



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997 Horan Drive | Fenton, MO 63026

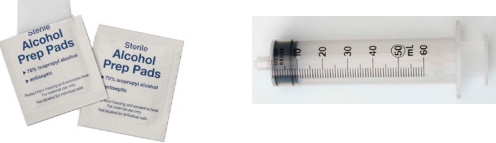
314.961.5786 | 800.969.6331

cs@progressivemedinc.com

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PREPARATION

In a clean work area, assemble the following supplies:

- › SMARTeZ® pump
 - › Alcohol wipe(s)
 - › Flush syringe(s)
- 
- › Wash your hands.
 - › Be sure the SMARTeZ® pump includes patient name and that the medication name and dosage are correct.
 - › Review the expiration date and verify that it 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.

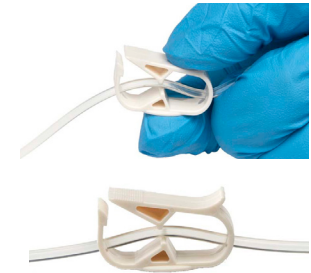
CONNECTING THE DEVICE

- › Clean patient vascular catheter access site as directed by facility policy.
- › Remove the patient end cap from the luer tip end of the SMARTeZ® tubing.
- › Insert the luer tip end of the tubing into patient access site and turn the luer lock clockwise to secure the connection.
- › Verify the connection to the access site is secure.



STARTING INFUSION

- › Once the patient connector is connected to the access site, you are ready to begin the 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.
- › If kinks are observed in the tubing, roll between your fingers to release.



Open position, infusion has started.

ENDING INFUSION

- › **After the prescribed infusion time has elapsed**, close the clamp, and disconnect the luer tip from the patient access site.
- › Flush the vascular catheter access site as directed by facility policy.
- › Dispose of supplies.

