

Device Placement and Securement

Removal, Considerations and Troubleshooting

Zorro-Flow[®]

Female External Urine Collection Device

User Guide



More info and videos at www.zorro-flow.com

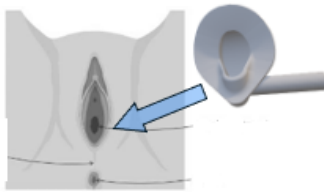


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Step 6: Place the cup on perineum

- Carefully place cup starting with the ramp placed at the lowest part of the vaginal opening (Figure 3).
- Remember to **wait 3-5 minutes** for adhesive to dry or it will not be sticky.
- Press firmly for 30–60 seconds to secure the cup to the patient skin.

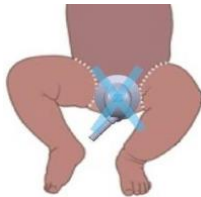
Figure 3:
Place Ramp on
Lowest Part First



Step 7: Secure cup to patient with tape strips

- Tape strip may be cut to fit the length needed (from waist to back of the thigh).
- Peel and discard blue liner.
- Secure the first strip to the pelvis/abdomen over the cup and behind thigh on the opposite side.
- Repeat previous steps with second tape strip in a crisscross pattern (Figure 4).

Figure 4:
Secure Tape Strips



Step 8: Secure urine collection bag and tubing

- Ensure tubing and bag are below bladder.
- Secure the bag with provided straps to the side of crib/bed/isolette.
- Ensure straps overlap by at least 6 cm.
- Ensure slack on tubing to prevent tension on cup

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Removal

- Remove cup or tape using a silicone based adhesive remover (not supplied).
- Do not peel device off patient as this may tear the skin.
- Gently separate the edge of cup from skin by applying adhesive remover.
- Continue until it can be easily removed.
- Never pull device with force as this could cause skin damage or irritation.

Considerations

- **Never let the bag overfill.**
- Pull **DOWN** on valve to **OPEN** position to drain the urine (Figure 5).
- Push **UP** on valve to **CLOSED** position to collect the urine (Figure 5).
- To collect a fresh urine sample clean end of valve with an alcohol pad to prevent contamination.
- Start the collection with an empty bag.

Figure 5: Pull **DOWN** to **OPEN**
Push **UP** to **CLOSE**



Troubleshooting Low Urine Output

- Determine if urine is leaking into the diaper.
- Evaluate tubing for kinks or disconnections.
- Ensure that tubing is not pinched by equipment.
- Ensure that cup has not been dislodged from tube.
- Ensure that male and female luers are connected.
- Ensure tubing and bag are below the bladder.
- Ensure that the valve on the bag is closed.

Zorro-Flow

Product Description, Indications for Use, Contraindications, About This Guide

Intended Use and Components

Patient Evaluation, Sterile Approach, and Device Preparation

Product Description:

- Zorro-Flow is an external urine collection device designed for neonates, infants, and children.
- Silicone-based materials optimize safety and efficacy.
- Assembly includes silicone-based adhesive and tape to easily removed silicone adhesive removal pads (not supplied).
- The urine collection bag enables sample analysis and accurate urine volume quantification.

Indications for Use:

- Zorro-Flow is intended for use for up to 24 hours by trained medical personnel for inpatient or outpatient settings.

Contraindications:

- Do not use if skin in the perineal area is of poor integrity, discolored, or not intact.
- Do not use if bladder not functional.

About This Guide:

- This guide is meant to provide a user-friendly depiction of the Instructions for Use (IFU).
- Individuals and institutions using the Zorro-Flow system are ultimately responsible for determining medical necessity and following hospital guidelines.
- Please read the IFU before using the Zorro-Flow system.

Female Sizing Chart

| Item # | Width | Length |
|------------------|--------|--------|
| ZF-F-XS | 2.4 cm | 2.8 cm |
| ZF-F-S | 3.2 cm | 3.7 cm |
| ZF-F-M | 4.1 cm | 4.7 cm |
| ZF-F-L | 5.1 cm | 5.9 cm |
| Approximate Size | | |

Zorro-Flow is intended as a single use product, which contains (Figure 1):

1. Sterile Device Pouch:

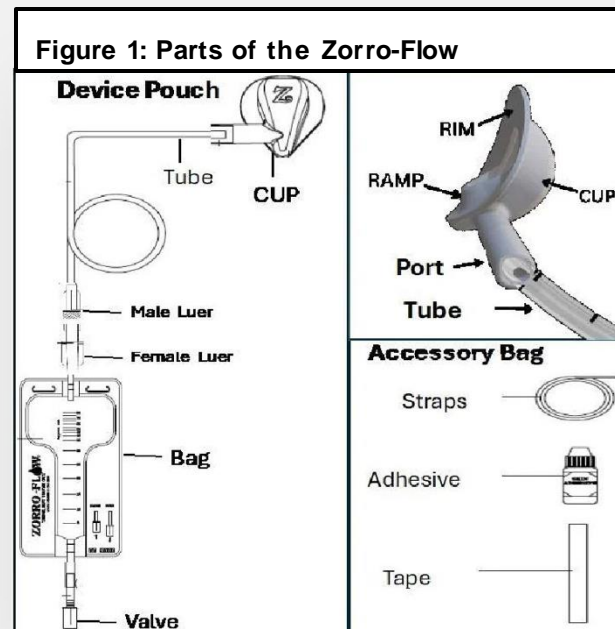
- Contains cup, luers, tube, and bag with valve:
- Ramp holds urine from leaking
- Rim is the contact area for adhesive
- Port is where the tube connects

2. Non-Sterile Accessory Bag:

- Contains adhesive, tape, and straps

3. Other Materials Needed But NOT Supplied:

- Disposable diaper and diaper wipes
- Silicone adhesive removal pads (e.g., Uni-solve)
- Alcohol wipes
- Aseptic cleaner if sterile technique desired



Step 1: Evaluate skin around perineal area

If the skin is discolored, has poor skin integrity or is abnormally swollen, do not use device.

Step 2: If sterile technique is desired, keep the following in mind

- Open and set up all materials following institution's sterile technique.
- Clean patient with an antiseptic product that will not damage the skin (not supplied).
- Keep one hand sterile to place the cup, while the other can be used to open and apply the adhesive and hold the patient.
- When handling the adhesive, be careful not to touch the bottle tip.
- False positives cannot be guaranteed.
- Wipe the drain valve with an alcohol pad prior to sample collection.

Step 3: Preparation for application

Open the sterile bag, accessory bag, and device pouch and identify components.

Step 4: Apply small amount of adhesive around rim of the cup (Figure 2)

- Use enough adhesive to cover the rim but not so much that it spills over.
- **Do not place adhesive directly on the patient.**
- Let adhesive dry for 3-5 minutes before applying.



Figure 2: Apply Adhesive Around the Inside Rim of the Urine Collection Device Cup

Step 5: Clean area with disposable wipes and change diaper

Failure to change a wet diaper will limit ability to assess urine leakage.