

## Administration Guide

# Curlin Pump



### Before you begin

There are important steps you must take before you begin. Please refer to your SASH Teaching Mat for more details.

1. **Clean** your work area.
2. **Wash** your hands.
3. **Gather** your supplies:
  - Pump
  - Two "C" batteries
  - Pump tubing
  - Backcheck valve (if instructed to use)
  - Medication bag, at room temperature
  - Alcohol pads
  - Pre-filled saline syringe(s)
  - Pre-filled heparin syringe(s), if ordered
  - Pump carrying bag (if instructed to use)
  - Sharps container, if you are using needles
4. **Inspect** the medication label:
  - Correct patient name
  - Correct medication and dose
  - Medication is not expired
  - Length of infusion
  - The solution should be clear, consistent in color and free of any visible particles

### Insert batteries

1. If the pump is running, stop the pump by pressing **RUN/PAUSE**, then **ON/OFF**.
2. Open the battery door by sliding the switch on the battery door to "unlock". Then slide the door off.



3. Remove the used batteries.
4. Insert the new batteries with the positive terminals at the top, replace the battery door, and slide the switch back to lock it.

**Avoid mixing new and used batteries at any point.**



## Prepare your tubing

1. Take the administration tubing out of the plastic wrapper and unfold.



2. **If instructed to add a back-check valve**, both the back-check valve and the tubing have a blue cap on one end. Take off the blue caps and screw the ends together (“blue to blue”).
3. Twist and break off the yellow tab on the flow-stop clamp.
4. Pull the seal off the port of the medication bag.
5. Pull the cap off the spike end of the tubing.
6. Push and twist the spike of the tubing into the port of the medication bag.

## Attach administration tubing to pump

1. Put the yellow flow-stop clamp into the square hole under the end of the pump door on the left side.
2. Put the square blue tubing guide into the square hole under the end of the pump door on the right side.



3. Make sure the tubing rests in the notch in front of the pump door on the right.



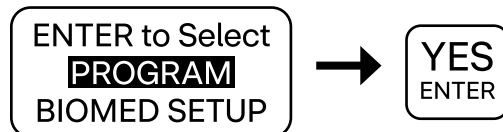
4. Close the pump door and latch it.

## Prime your tubing

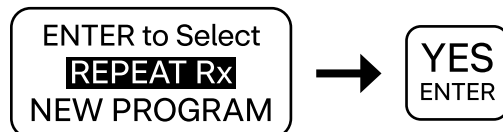
1. Turn on the pump by pressing **ON/OFF**.



2. At **ENTER to Select PROGRAM**, press **YES/ENTER**.



3. At **ENTER to Select REPEAT Rx**, press **YES/ENTER**.



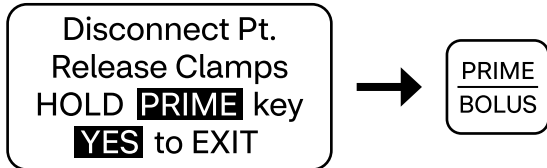
- **Always select REPEAT Rx for each new bag. If RESUME Rx is highlighted, use the arrow key until REPEAT Rx is highlighted.**
- The pump will scroll through the settings that the pharmacist has programmed for your medication. For your safety, these settings are locked.

- At **PRESS RUN to START**, press **PRIME/BOLUS**.



- Ensure that the tubing is NOT connected to you yet.

- At **Disconnect Pt.**, press and hold **PRIME/BOLUS** firmly. The pump starts.



If priming does not start, press and hold **PRIME/BOLUS** again.

- Hold the **PRIME/BOLUS** key until the fluid drips from the end of the pump tubing.
- To stop, release the **PRIME/BOLUS** key.
- To exit priming, press **YES/ENTER**.



### Flush your catheter

Please refer to your SASH Teaching Mat for more details.

### Connect the tubing to the catheter

- Scrub the catheter injection cap with a new alcohol pad for 15 seconds. Let it air dry for 5 seconds. Be careful not to touch the top of the injection cap with your fingers while you are cleaning it.
- Connect the end of the administration tubing to the catheter injection cap. Twist on until secure.

### Start a new bag

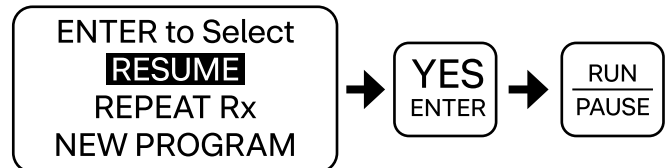
- At **PRESS RUN to START**, press **RUN/PAUSE**.



- The pump will start and the green **RUN** light will flash to show your medication is infusing.

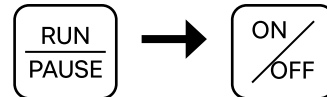
### Resume an interrupted bag

- If you have interrupted a running medication bag, you can start it again by selecting **RESUME**. (If you need to start a new bag, select **REPEAT Rx**.)
- After selecting **RESUME**, press **YES/ENTER**, then press **RUN/PAUSE**.



### Stop the pump

- When the medication bag is empty, an alarm sounds and **INFUSION COMPLETE** will appear on the screen.
- Press **RUN/PAUSE**. Then press **ON/OFF**.



### Remove administration tubing

- Clamp the tubing.
- Disconnect it from your catheter injection cap.

### Flush your catheter

Please refer to your SASH Teaching Mat for more details.

## Troubleshooting alarms

Most pump problems are easy to fix. If any of these tips do not solve the problem, or if you have questions, call your Coram nurse or pharmacist.

Pump problem	Troubleshooting tips
Empty Battery	<p>This alarm means that you must change the batteries.</p> <ol style="list-style-type: none"> <li>1. Remove the battery door from the rear of the pump. Remove the batteries (an alarm will sound).</li> <li>2. Replace both batteries facing the same direction (positive terminals at the top).</li> <li>3. Turn the pump back on.</li> <li>4. Follow the steps listed under <i>Resume an interrupted bag</i>.</li> </ol>
Infusion Complete	<p>This alarm means the dose(s) of medication in the bag are finished. Press PAUSE and then OFF to turn the pump off. Or PAUSE and REPEAT Rx to start a new bag.</p>
Down Occlusion	<p>This alarm means that something is blocking the flow from the bag to your body.</p> <ol style="list-style-type: none"> <li>1. Check the catheter and the administration tubing to see if anything is clamped.</li> <li>2. Check the administration tubing to make sure it is installed inside the pump correctly.</li> <li>3. Check the whole length of the administration and catheter tubing for any kinks.</li> <li>4. If the problem is corrected, the pump will resume on its own.</li> </ol> <p>If the pump does not start again, turn it off. Then follow the steps listed under <i>Resume an interrupted bag</i>.</p>

Pump problem	Troubleshooting tips
Up Occlusion	<p>This alarm means there is something blocking the flow from the medication bag to the pump.</p> <ol style="list-style-type: none"> <li>1. Ensure the bag is spiked properly.</li> <li>2. Check for kinks between the pump and the bag.</li> <li>3. Check the administration tubing to make sure it is installed inside the pump correctly.</li> </ol>
Unattended Pump	<p>This alarm means that the medication bag is not running because you have not started it or pressed any keys.</p>
Air in Line	<p>This alarm means that the pump has stopped because it senses an air bubble in the administration tubing. Call your Coram nurse or pharmacist for assistance.</p>

### Want to learn more?

Watch a how-to-video on our Resource Center at [coramhc.com](http://coramhc.com).

SASH (SASH=S: Saline; A: Administration of Medication; S: Saline; H: Heparin).

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