LUMINOAH

Luminoah Flow
Enteral Nutrition System

QUICK START GUIDE

Let's Get Started

Welcome to the Luminoah Family!

We're here to support you as you use the Luminoah Flow™ pump.

To get started:

1. **Download the Luminoah Flow Mobile App** (not required)
   Available on App Store and Google Play. This will help track nutrition and share pump data.

2. **Review this Quick Start Guide**
   Follow the step-by-step instructions to ensure the pump is set up properly and ready to use.

3. **Watch Videos & Get Support**
   Visit **www.luminoah.com/support** for helpful videos, FAQs, and contact information if you need assistance.

SCAN FOR SUPPORT

LUMINOAH FLOW™ Enteral Nutrition System

Pump Part Number: LM-1001-001

Thank you for choosing the Luminoah Flow enteral nutrition system! This Quick Start Guide is intended to provide an overview of features of the Luminoah Flow system components and how to begin using and maintaining these components. **Please reference the User Guide provided with the pump for complete instructions on the use, maintenance, storage, and other procedures for handling the nutrition system.**

For information on nutrition or hydration, extension sets and feeding tubes (e.g. Gastrostomy button, N-G Tube, or other connectors) please refer to the manufacturer's labeling.

Please visit **www.luminoah.com/support** for technical support information or to access an electronic version of the User Guide.

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Charlottesville, VA 22903
www.luminoah.com

The Luminoah Flow System can be used by an adult layperson, caregiver, or healthcare professional for both adult and pediatric patients, ages 2 years and older. **This system is not intended for use with neonates or infants.**

Reusable Every Day

Single User Funnel

Durable Pump

Pole Clamp & Holster

Disposed of Every Day (24 hour Use)

Nutrition Pouch
Available in 250mL and 500mL

Pump Head

Note: For full indications for use see Section 1 in User Guide.
Warning: Funnels are intended for a single user only and are not to be shared between users.

Getting Started — Luminoah Flow System

1 OVERVIEW OF THE SYSTEM

2 SETTING UP THE SYSTEM

3 PRIMING THE PUMP & STARTING A FEED

4 CLEANING & MAINTENANCE

5 TROUBLESHOOTING & LED STATUS LIGHTS

Before You Begin

You should have the following components ready before you start using the Luminoah Flow Enteral Nutrition System.

Provided with the Luminoah Flow System

- **Enteral Pump**, with **USB-C Charging Cable** and **A/C Wall Adapter**
- **Administration Set,** including **Nutrition Pouch** and **Pump Head**
- Accessories, including the **Funnel**, **Pole Clamp**, and **Holster**

Components Provided Separately

- Feeding Tube
- Feeding Tube Extension Set
- IV Pole
- Nutrition and/or Hydration

What's Inside the Pump Box

The Pump Box includes this Quick Start Guide and the User Guide.

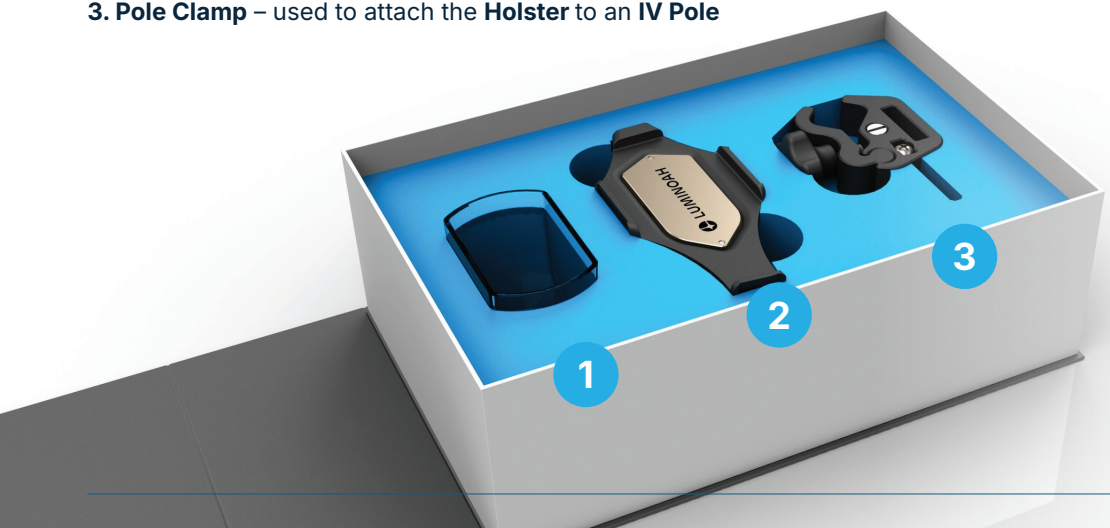
Below the documents you will find the following:

1. **Enteral Pump**
2. **USB-C Charging Cable**
3. **A/C Wall Adapter**

What's Inside the Accessories Box

In the Accessories Box, you will find the following:

1. **Funnel** – used to fill the **Nutrition Pouch**
2. **Holster** – magnetically holds the **Pump** and attaches to the **Pole Clamp**
3. **Pole Clamp** – used to attach the **Holster** to an **IV Pole**



Attaching the Pole Clamp

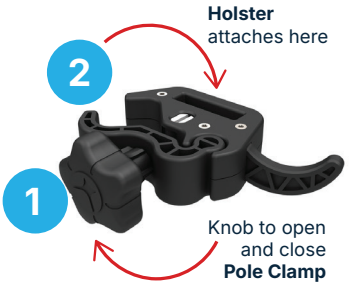
1. Turn the knob on the back of the **Pole Clamp** to open the clamp so that it can fit around your **IV Pole**.*

2. Place opening around IV Pole and **turn knob** until Pole Clamp is tightly attached to pole.

   Ensure the Pole Clamp is **secure** by pressing down on the clamp to make sure it does not move.

3. **Attach** the Holster to the **rectangular slot** in the Pole Clamp.

   Ensure it is in the **horizontal orientation** with the logo facing upright and outward.



The final setup should look like this.

***Note:** **Do not remove the knob** from the **Pole Clamp**. In the event the knob is unscrewed, make sure to align the knob screw with the insert.*

What's Inside the Administration Set Box

In the box of Administration Sets you will find bags containing:*

1. **Nutrition Pouch** - to be filled with nutrition and/or hydration (i.e. water).

   Caution: *Only use Luminoah Nutrition Pouches with the Luminoah Flow system at all times.*

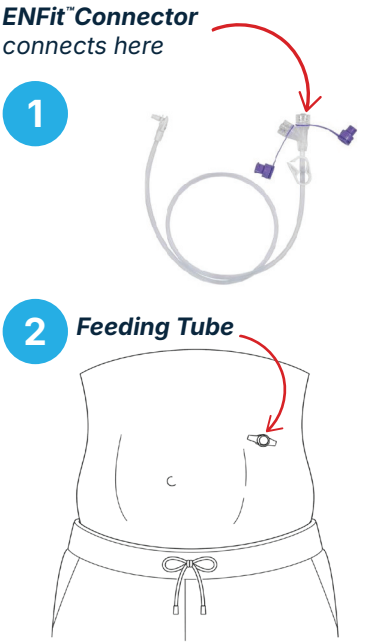
2. **Pump Head** - Connects the **Nutrition Pouch** to the **Extension Set** or **Feeding Tube.**

Administration Set Package Insert not shown; read these instructions for more information on how to use the Administration Set. **ENFit™ Connector that connects to the **Extension Set** also not shown.*

What Comes Separately

The following components are provided separately. Please review the manufacturer's instructions prior to use.

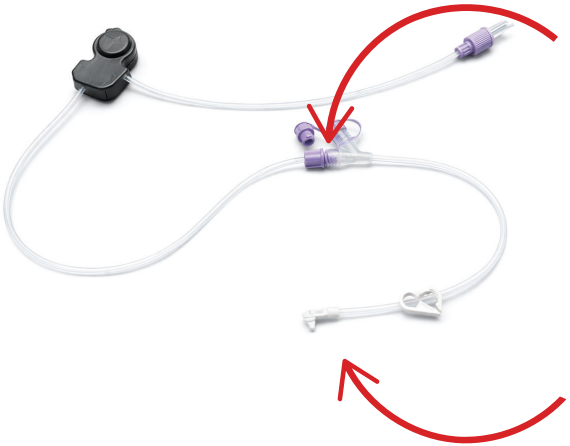
1. **Extension Set** - Connects the Pump Head to the **Feeding Tube**
2. **Feeding Tube** - Implant that connects into the stomach
3. **IV Pole** - (*not shown*) Optionally used to hold the pump and Nutrition Pouch
4. **Nutrition or Hydration** - (*not shown*) The nutrition or hydration formula prescribed by your physician



*Examples shown. Your extension set and feeding tube may look different.

Extension Sets

The Luminoah Flow System can be used with different types of feeding tubes, some of which require an additional extension set. The Extension Set must be primed as a part of the system.



Extension Set **-** Connect ENFit™ connector from the Luminoah Flow Administration Set here.

Note: Make sure to see drops of fluid at the end of the extension set prior to connecting to the body.

Pump Overview

1. Touchscreen Display

2. Pump Head Connector

3. Increase (+) and Decrease (-) Buttons for Amount and Flow Rate

4. Sleep / Wake Button

5. Charging Port (USB-C) and LED Status Light

Pump Startup

The Luminoah Flow operates on a battery with a 24-hour runtime.

Press and hold the **Sleep / Wake Button** to turn it on and begin using your **pump**.

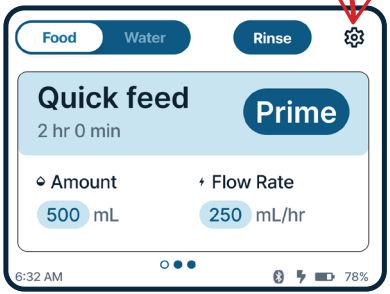
After 1 minute of inactivity, the pump goes to sleep and the screen turns off. Press the Sleep / Wake button to wake it.

To charge your **pump** use the provided **USB-C Charging Cable** and **A/C Wall Adapter.** The LED on the USB-C port will be **orange** while charging.

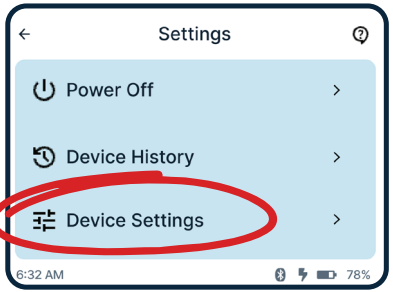
For more information about the LED colors please see the Troubleshooting section of this guide.

Warning: It is important to maintain an alternative method of feeding (gravity bag, bolus syringe) in case of a power outage, pump malfunction, or supply shortage.

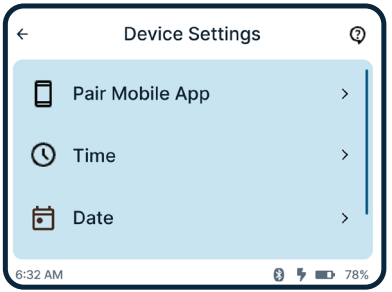
Once the pump is on, verify the date and time are accurate. If needed select the ⚙ icon to set the date and time and other settings.



Settings: Gear icon in the upper right of the Home Screen



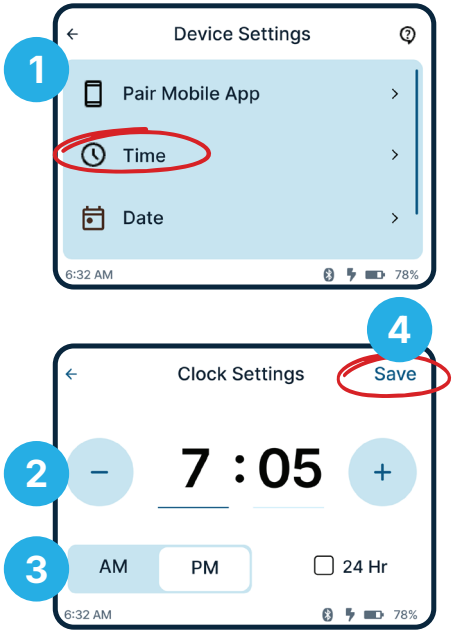
Device Settings: Bottom of Settings menu



Pair the Mobile App, adjust the **Time**, **Date**, **Brightness** and optional **Lockout Code**

Refer to the User Guide for more information about all of the Pump settings.

1. Select **Time** to adjust the Clock Settings of your pump.
2. Use the + and − to set the time.
3. Toggle the AM PM
4. Select **Save**



Filling the Nutrition Pouch

1. Remove the cap from the **Nutrition Pouch.**

2. Attach the **Funnel** securely to the top of the **Nutrition Pouch**. Ensure you feel the **Funnel** cannot be turned further to ensure a tight fit.

3. Pour nutrition or water into the **Funnel** to fill the **Nutrition Pouch**.

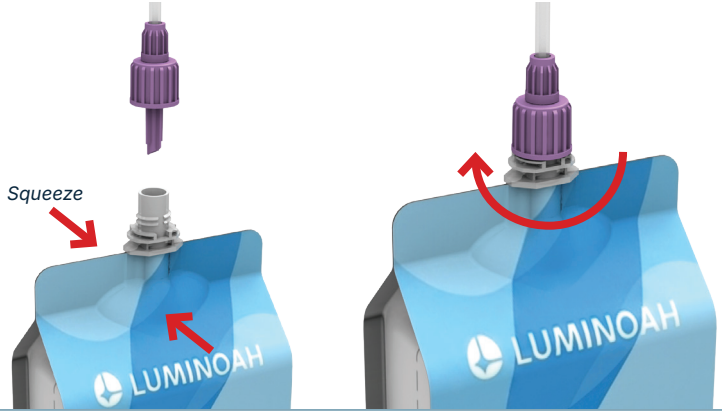
4. Pour at a steady pace to avoid air bubbles and overfilling of the **Nutrition Pouch**.

Pouring against the side of the funnel can help support a steady pace.

When done filling, be sure to clean the funnel. Refer to Section 6 of the User Guide for full instructions.

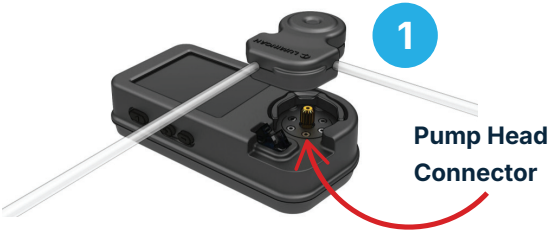
5. Remove the funnel. Gently squeeze the **Nutrition Pouch** so that the fluid rises to the top of the spout. This removes air and makes priming faster.

6. Attach the **Spike Connector** to the **Nutrition Pouch** and secure tightly.
Ensure you feel the **Spike Connector** cannot be turned further to ensure a tight fit.



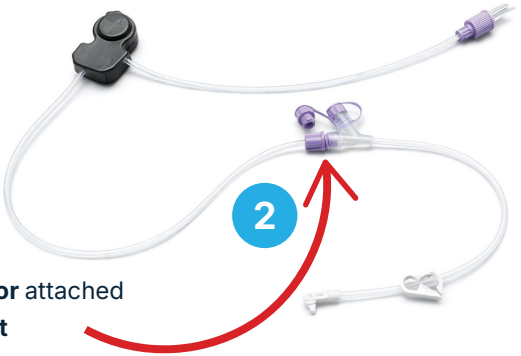
Setting Up the System

1. Attach the **Pump Head** to the pump by snapping it into the **Pump Head Connector**.



2. Connect the **ENFit™ Connector** at the end of the tubing of the **Pump Head** to the **Extension Set**.

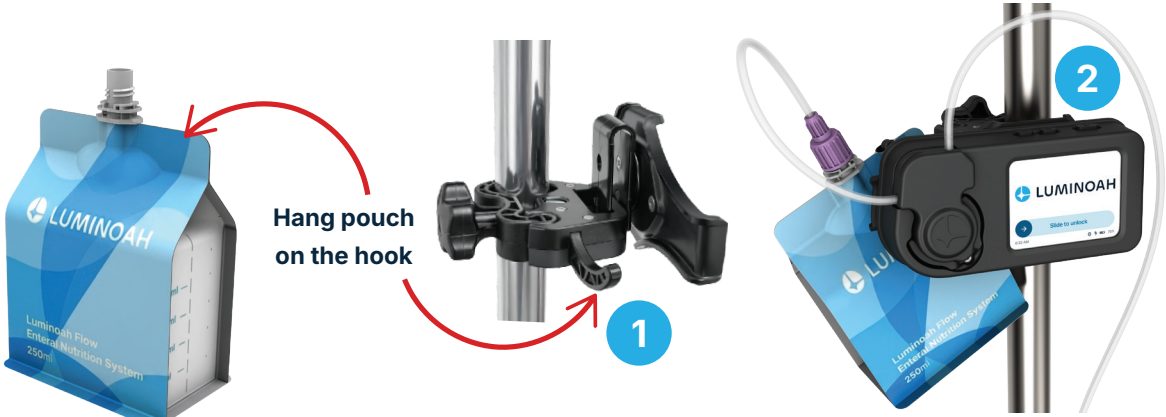
   Make sure that the **Extension Set** is not connected to the body until after priming is complete.



Setting Up Pole for Feeding

1. Hang the upper corner of the **Nutrition Pouch** on the hook on the back of the **Pole Clamp.**

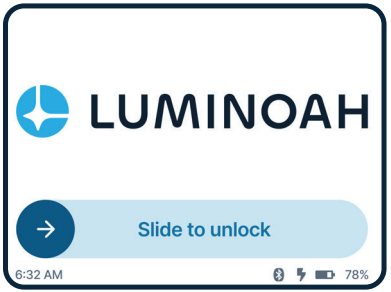
2. Snap the **Pump** into the **Holster** with the buttons on top.



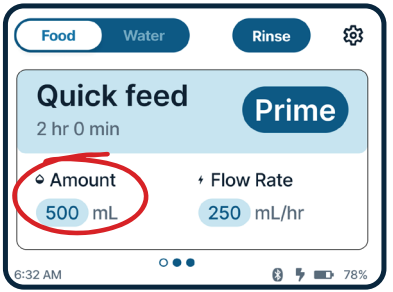
The final setup should look like this.

Programming A Feed

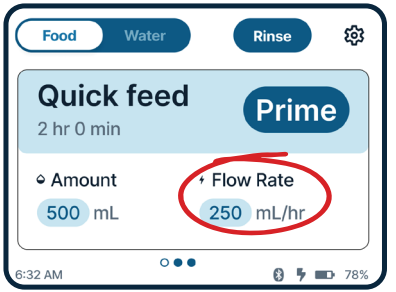
Wake the pump using the **Sleep / Wake Button**, then follow these steps to setup a Quick feed.



Swipe **Slide to Unlock** on the screen.



Select the **Amount** and enter the desired amount to be delivered.



Select **Flow Rate** and enter the desired rate.

*Speak to your Healthcare Provider if you are unsure of the **Amount** and **Flow Rate** to enter.*

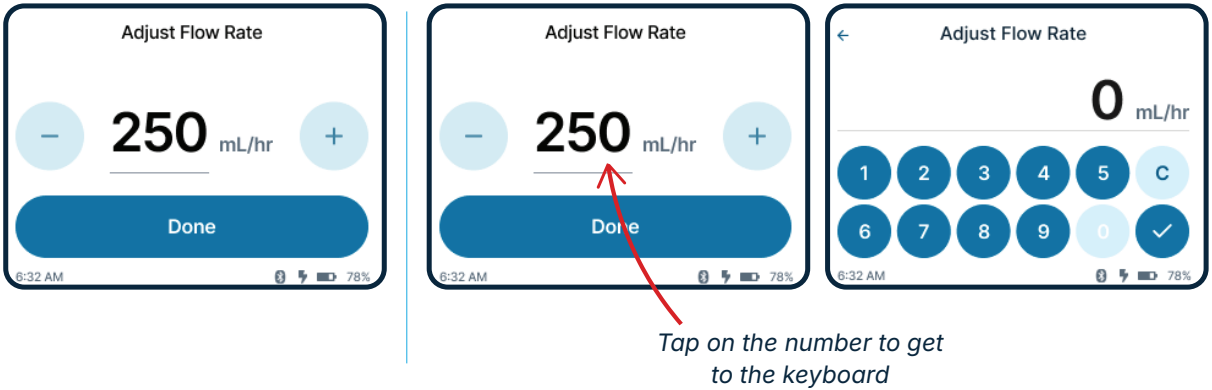
Adjusting the Amount and Flow Rate

When adjusting the **Amount** and **Flow Rate,** you have multiple options.

Use the + −

OR

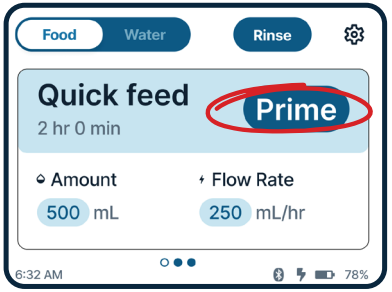
Select the number to open the keyboard



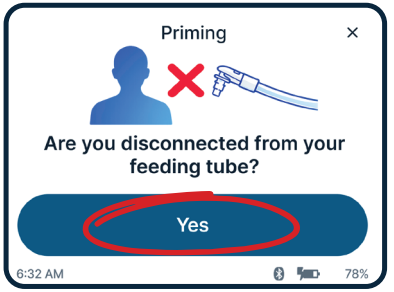
Refer to the User Guide for more ways to adjust the Volume and Flow Rate.

Priming the Tubing

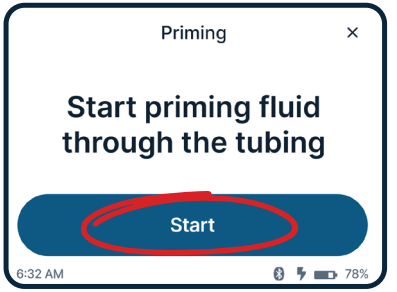
Prior to starting a feed, you must prime the tubing.



With the **Nutrition Pouch** in the upright position, select **Prime** on the **Pump**.

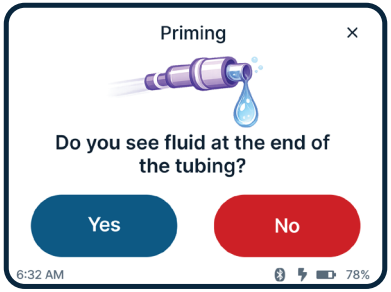


Confirm the tubing has been disconnected from the feeding tube. Then select **Yes**.

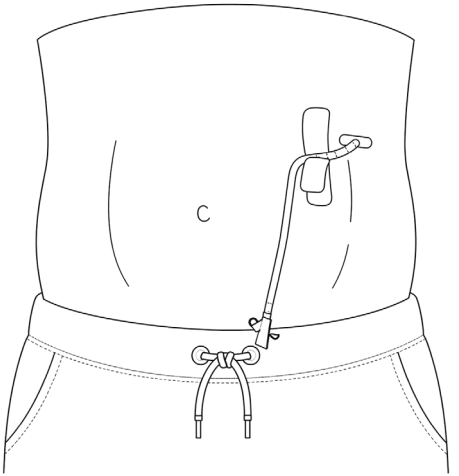


Connect the **Extension Set** to the **Administration Set**. Select **Start** to begin priming.

Select **Stop** once there are drops at the end of the **Extension Set**. The **Pump** will automatically stop every 10 seconds.



The **Pump** will prompt you if you see drops at the end of your **Extension Set**. Select **Yes** to proceed to **Starting a Feed**.



Generic example of a standard PEG tube shown here.

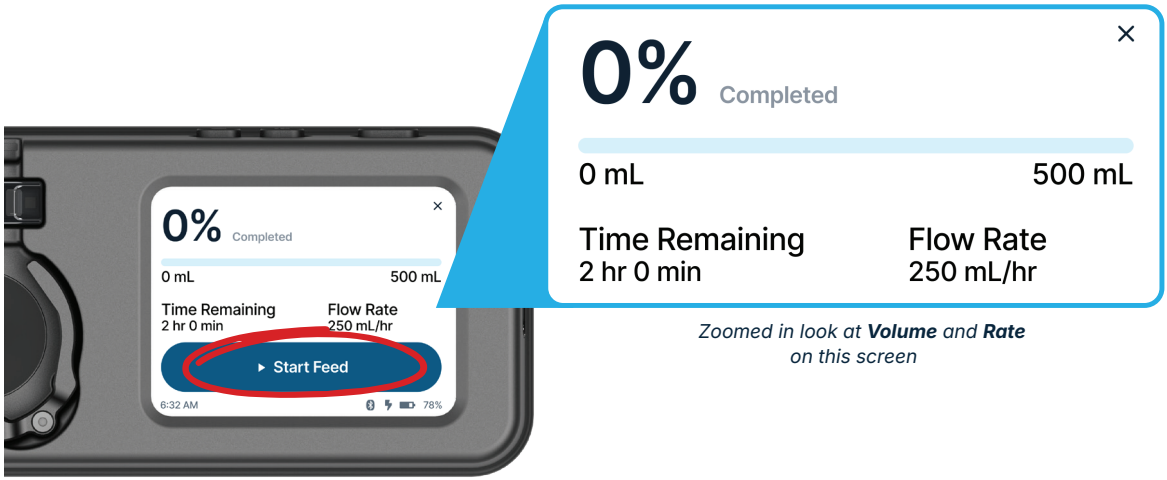
Starting A Feed

Once you see drops coming out of the end of the **Extension Set**, connect to the **Feeding Tube.**

Refer to the manufacturer's instructions for use when connecting to your **Feeding Tube.** Different **Feeding Tubes** require different instructions.

Once connected to the body, begin the feed.

Confirm the **Amount** and the **Flow Rate.** Select **Start Feed**.



*Zoomed in look at **Volume** and **Rate** on this screen*

During a Feed

The **Pump's LED** will be a solid **green** during a feed.

To see more details about the progress of the feed, press the **Sleep / Wake Button**.

When a feed is done, a *Feed Completed* **Notification** will appear on the screen.

While operating the **Pump's LED** will be solid **green** unless there is a **Notification** or one of the **Alarms** is activated. Different messages come with different information and different status indicators from the **LED**.

For more information on the different **Alarms** and **LED** status indicators, refer to the **Troubleshooting** section of this guide. For full instructions on how to fix an **Alarm** refer to the **User Guide**.

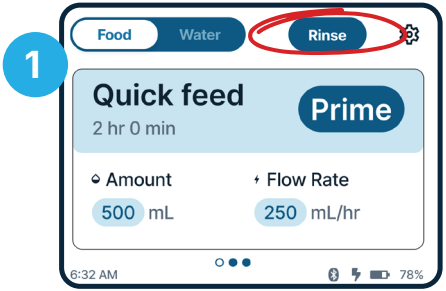
*Example of an **alarm** and flashing **yellow** **LED**.*

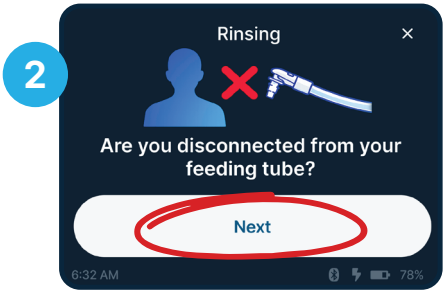
Rinsing the Tubing

Note: The **Administration Set** must be replaced every 24 hours.

1. Select **Rinse** located on the upper right of the pump screen.

2. Disconnect the **Extension Set** from the body and disconnect the **Nutrition Pouch** from the system by unscrewing the **Spike Connector**.





3. Fill a container with water and place the **Spike Connector** in the water. Put the end of your **Extension Set** in the sink or empty container.

4. **Select *and hold*** the area at the bottom of the pump screen to rinse the tubing.

5. Rinse the tubing until the water coming out of the **Extension Set** is visibly clear.

6. Once clear, remove the **Spike Connector** from the container of water (not shown) and continue to clear the tube of excess water. This will allow air to push the remaining water out of the tube.

7. Set the **Administration Set** and **Extension Set** aside and allow to air dry.

Example of rinsed and empty tubing

Cleaning the Funnel

1. Rinse the **Funnel** immediately after use to limit the buildup of debris on the surface.

2. Place the **Funnel** in a soapy water solution and allow to soak for at least one minute.

3. Scrub with a soft bristled brush, if required. Wipe away any excess debris with a lint-free wipe, as necessary.

4. Rinse the **Funnel** to remove soap and allow to air dry.

Troubleshooting

The following table gives an overview of what you might see from the **LED**. See the **Luminoah Flow User Guide** for complete safety information and alarms.

LED Indicator Light Legend	
Red	High Priority
Yellow	Medium/Low Priority
Green	Notification Priority
Blinking - - - -	Action Needed
Solid --------	No Action/Indication Only
Alarm	Stops Pumping
Notification	Notify Only

*Pump screen with an example **Alarm** on screen and **LED** flashing.*

The table below lists the possible **Alarms** and **Notifications**. Read the prompt message on the screen to fix the issue. For full instructions on how to fix an **Alarm** refer to the **User Guide**.

Alarms

- Motor Stuck
- Incomplete Feed
- Low Battery
- Upstream Occlusion
- Downstream Occlusion
- Administration Set Error
- Dead Battery
- Air-in-Line
- Stuck Button
- Temperature
- Feed Interrupted
- System Error

Notifications

- Feeding Complete
- Hydration Complete
- End of Priming Sequence
- Insufficient Charge
- Feeding Paused

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