

A GUIDE FOR PATIENTS, FAMILIES, & CAREGIVERS

This guide provides you an overview of your new Infinity Orange pump. Remember, this guide is not intended to be a substitute for the operator's manual. Be sure to read the operator's manual thoroughly prior to operating the pump as it includes more in-depth details on using the pump.



If you ever have questions or concerns, call our clinical support hotline. This support line is available 24 hours per day, 7 days per week for anyone who needs assistance with any of our pumps.

(800) 970-2337



Who to call for help

For all medical concerns or questions, call your medical team or primary care provider.

Medical team phone number

For supplies, contact your home care provider. Be sure to contact your home care provider at least ____ days ahead of needing supplies so that you do not run out.

Home care provider phone number

If your pump is alarming or if you have other pump-related questions, contact Moog's Clinical Support at **(800) 970-2337**. Be sure to read the message on the screen and write it down. You can silence the alarm by pressing the **RUN/PAUSE** button. You can also find troubleshooting assistance at **moogmedical.com**.

Your feeding plan

mL/hr

Rate: This is how fast the pump will deliver the formula.

mL

Dose: This is how much formula will be fed.

mL

Bag volume: This is how much formula you should add to your feeding bag at one time.

mL

Refill volume: If prescribed, this is how much formula you refill in the delivery set.

hours

Refill interval : If prescribed, this is how often (in hours) you should refill the delivery set with formula.

hours

Max hang time: The maximum amount of time the formula should be hanging in the bag, per the formula manufacturer.



Remember, this guide is not intended to be a substitute for the operator's manual. Be sure to read the operator's manual thoroughly prior to operating the pump as it includes more in-depth details on using the pump.

Download and view the Infinity Orange operator's manual by scanning or clicking this code with your device.

Where training videos are available to supplement the information contained in this guide, you will see a QR code. Scan or click these codes with your device to watch the related video.

INFINITY ORANGE PUMP & DELIVERY SETS



- 1 ON/OFF button:** press for 1.5 seconds to turn the pump on or off.
- 2 FOOD TYPE button:** press key to display and select the type of food to be delivered (formula or human milk).
- 3 CLEAR button:** press to reset whatever function is displayed to its minimum value. Press and hold for 3 seconds to clear rate, dose, feed interval, and volume delivered all at once.
- 4 PRIME button:** press this button to prime the delivery set. See the priming section on the next page for details.
- 5 VOLUME/TOTAL button:** press once to show volume delivered for the current feeding. Press again to see total volume delivered since it was last cleared.
- 6 PLUS button:** press to increase the displayed feed function. Press and hold to increase rapidly.
- 7 RUN/PAUSE button:** press to either start the pump or to pause it.
- 8 RATE/DOSE button:** press to toggle between rate and dose settings.
- 9 MINUS button:** press to decrease the displayed feed function. Press and hold to decrease rapidly.

*Note: **PRIME**, **CLEAR**, + (plus) and - (minus) buttons only work when the pump is paused.*

Sets are available with an attached 100 mL bag or a screw cap lid that can be attached to any bottle with a 40 mm opening.

- 1** Screw Cap Set (shown with bottle)
- 2** 100 mL Bag Set
- 3** Funnel / bag opening
- 4** Cassette
- 5** "drip" Symbol
- 6** Tubing
- 7** ENFit connector
- 8** ENFit protective cover

Note: Any Infinity delivery set (both orange and teal colored) can be used with the Infinity Orange pump.



Video showing Infinity Orange pump overview

[CLICK TO VIEW](#)



Video showing Infinity Orange delivery sets.

[CLICK TO VIEW](#)

PROGRAMMING THE PUMP

For more detailed instructions, refer to the operator's manual or watch the videos on the moogmedical.com website showing how to program the pump.

Turn on the pump: Press and hold the **ON/ OFF** button for 1.5 seconds to turn the pump on. The display will show the last programmed rate.



To program the rate (how fast your pump runs): Press the **RATE/ DOSE** button to display "RATE" on the screen. Use the **+** and **-** buttons to program the rate.



To program the dose (how much is to be fed): Press the **RATE/DOSE** button to display "DOSE" on the screen. Use the **+** and **-** buttons to program the dose.



To set the food type (what type of food is being fed): Press the **FOOD TYPE** key to display the type of food to be delivered. Press the **+** and **-** keys to change between formula and human milk.



Start the pump: Press the **RUN/PAUSE** button to start the pump.



When feeding is complete: Press the **ON/OFF** button for 1.5 seconds to turn the pump off.



To clear a single value: Press the **CLEAR** button to reset the displayed value. **To clear all settings:** Press and hold the **CLEAR** button for 3 seconds to reset rate, dose, feed interval, and volume delivered values at the same time.



View volume delivered: Press the **VOL/ TOTAL** button once to display volume delivered for the current feeding. Press the button again to display the total cumulative volume delivered since the total volume was last reset.

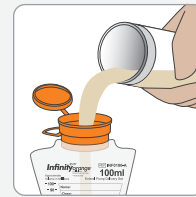


NOTE: If pump is turned off and turned back on again, the volume delivered counter resets to 0 and food type resets to formula. Rate, dose, and food type must be confirmed before restarting the pump with a new feeding.

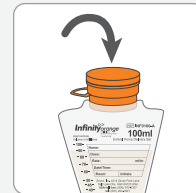
NOTE: Any changes to pump settings (except food type) during a feeding cycle will cause pump to start a new feeding; it will not start where it left off. Rate, dose, and food type must be confirmed by viewing each parameter before restarting the pump.

PREPARING THE DELIVERY SET FOR USE

If you are using the 100 mL delivery set

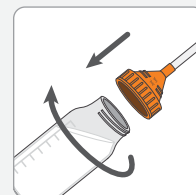


1. Hold the bag upright. Slowly pour the formula or human milk into the bag. Pouring slowly allows the bag to open and helps the formula flow easily into the bag.

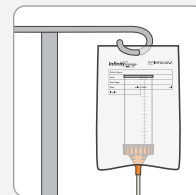


2. Close the cap by aligning the cap on the funnel, and firmly pressing down.

If you are using the Screw Cap delivery set



1. Fill a feeding bottle or container with 40 mm opening with formula or human milk. Firmly twist the Infinity Orange Screw Cap Set onto the bottle.



2. Invert the bottle or container and place it in the suspension bag and secure the bag to an IV pole.



Video showing how to fill the 100 mL delivery set bag and the Screw Cap delivery set with formula or human milk

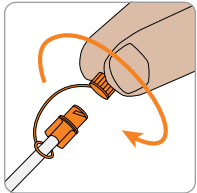
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PRIMING THE DELIVERY SET

After preparing the delivery set, but before using the pump, **you must prime the delivery set**. Priming the delivery set is the process of removing air from the tubing before feeding. Select the method recommended by your healthcare provider or the method that best fits your needs.

Priming using the **Hold to Prime** feature

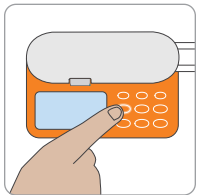
Hold to Prime can be used to prime the delivery set if it will be hung on an IV pole. Hold to Prime requires holding your finger on the button throughout the priming process, allowing you to stop priming whenever needed.



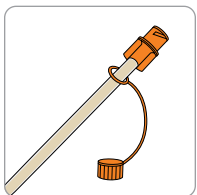
1. Remove the protective cover from the delivery set, and make sure that the delivery set is not connected to the patient.



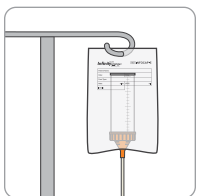
2. Press the ON/OFF button for 1.5 seconds to turn the pump on. Seat the cassette in the pump and close the pump door.



3. Press and hold the PRIME button. The alarm will sound once, and the pump will prime the set for as long as the button is pressed. The display will read "TO STOP LET GO."



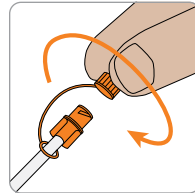
4. After air is removed from the downstream tubing, release the PRIME button. The delivery set is now fully primed.



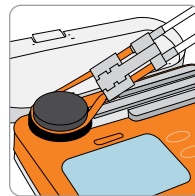
5. Both the pump and delivery set can be hung on an IV pole.

Priming using the **Auto Prime** feature

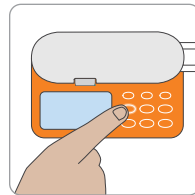
Auto Prime can also be used to prime the delivery set if it will be hung on an IV pole. When enabled, auto prime is the easiest priming method as it allows you to prime the set with a touch of a button.



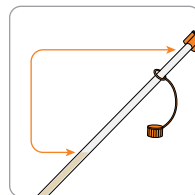
1. Remove the protective cover from the delivery set, and make sure that the delivery set is not connected to the patient.



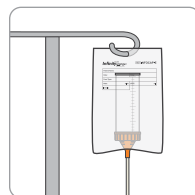
2. Press the ON/OFF button for 1.5 seconds to turn the pump on. Seat the cassette in the pump and close the pump door.



3. Press and hold the PRIME button for 1.5 seconds. Alarm will sound once, and the pump will begin to prime the set. The display will read "TO STOP PUSH PRIM." When auto prime is finished, the pump will stop and an alarm will sound.



4. Remove any remaining air in the tubing by pressing and holding the PRIME button again for 1.5 seconds. After air is removed from the downstream tubing, press the PRIME button again to stop the pump. The delivery set is now fully primed.



5. Both the pump and delivery set can be hung on an IV pole.



Video showing how to prime the set using the **Hold to Prime** feature on the pump.

[CLICK TO VIEW](#)

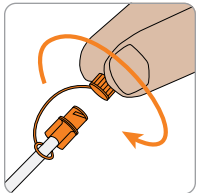


Video showing how to prime the set using the **Auto Prime** feature on the pump.

[CLICK TO VIEW](#)

Manual priming for backpack use

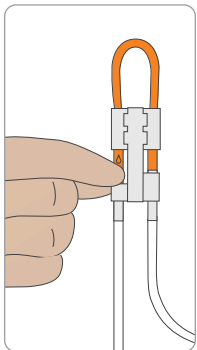
Manually priming can be the fastest way to prepare the set. Manual priming can be used when the pump and set will be placed in a backpack. If using a backpack, all air must be removed from the delivery set and tubing..
For use with the 100 mL delivery set only.



1. Remove the protective cover from the delivery set, and make sure that the delivery set is not connected to the patient.

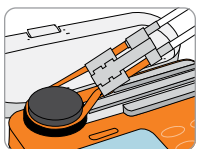


2. Turn the bag upside down so that the tubing port is at the top. Grasp the bag with one hand while holding the delivery set cassette in the other hand.



3. Gently pinch the teal colored tubing below the "A" symbol. Hold this position until air is removed from the bag and downstream tubing. Gently squeeze the bag at the same time to assist fluid flow. Tilt the bag as needed to evacuate air from the tubing port.

After air is removed from the downstream tubing, release the "A" symbol. The delivery set is now fully primed.



4. Seat the cassette in the pump and close the pump door.



5. Both the pump and delivery set can be placed into a backpack or hung on an IV pole.



Video showing how to **manually prime** the set for backpack use.

[CLICK TO VIEW](#)

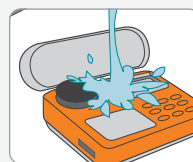
Note: This video shows Infinity delivery sets being primed, but the steps are the same for Infinity Orange delivery sets.

CLEANING (notes about cleaning)

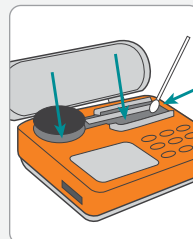
- **WARNING:** To avoid electrical shock, never clean pump or Infinity AC Adapter/ Charger with charger plugged into an outlet or pump turned on.
- **WARNING:** Make sure the Infinity AC Adapter/Charger is completely dry before plugging into an electrical outlet.
- The pump and delivery set must be dry before use to ensure optimal pump performance.
- If needed, a dry or slightly damp cloth may be used to clean the outside of the power adapter while it is disconnected from a power outlet.

Avoid using harsh cleaners or disinfectants, **SUCH AS ALCOHOL**. They may cause damage to the pump surfaces and may affect pump functionality.

To clean the pump



1. The Infinity Orange pump may be cleaned by rinsing under a stream of warm water. Standard dish soap and a non-abrasive sponge or cloth can also be used for deeper cleaning.



2. Use a cotton swab to clean the pathways around where the cassette is placed into the pump (areas shown in orange in the image above).

Note: Refer to the operator's manual for a list of acceptable and unacceptable cleaning agents, including cautions and warnings



Video showing how to clean the pump.

[CLICK TO VIEW](#)

THINGS TO REMEMBER

- Setup and preparation matter. Incorrect setup can cause alarms. The pump is one piece of a larger system. Taking the time to review the entire system can help reduce potential problems.
- If using a backpack, all air must be removed from the delivery set and tubing.
- Feeding bags are designed for up to 24 hours of use. Bags older than this can commonly trigger **NO FOOD** and **NO FLOW** alarms.
- Keep the cap on when bag is not in use.
- Avoid storing bags in high heat or direct sunlight.
- Infinity pumps are built to withstand every day use. Gentle care and cleaning will prolong the life of the pump.
- If something is obviously broken, such as a crack in the door or housing, contact Moog customer support for assistance.

TROUBLESHOOTING

Quick fixes for common Problems

1. Check the setup:

- Ensure products are at the correct temperature.
- Aggressively mixed formula may have foam. Let formula sit for 10 - 15 minutes before feeding.
- If using a blenderized formula, follow the manufacturer's guidelines.

2. Ensure the delivery set tubing isn't kinked or pinched.

3. Clean the pump properly.

4. Turn the pump off and then on again.

Alarms & Issues

Troubleshooting Steps

NO FLOW IN

Pump has detected a blockage in the set between the bag and the pump.

NO FLOW OUT

Pump has detected a blockage in the set between the pump and the patient.

NO FOOD

The pump has detected air in the tubing.

LOAD SET

The run button was pressed without a set being properly loaded in the pump.

ER01 - ER99

The pump has failed a self-test

- Ensure the delivery set tubing isn't kinked or pinched.
- Remove the set from the pump. Clean the cassette. Gently massage the "d" symbol, then manually prime the set until occlusion is clear and formula moves through the tubing. Replace set and resume feeding.
- Check and clean pump receptacles around the pressure sensors.
- Ensure that the door and latch isn't cracked or broken.
- Check the patient's feeding tube for obstruction.
- Always follow the formula manufacturer's instructions for using a feeding pump.
- *Do not use the PRIME key to troubleshoot or resolve NO FLOW IN or NO FLOW OUT alarms.*
- Check the formula level in the bag to make sure there enough food for the feeding.
- If the formula is aggressively mixed, let it rest for 10-15 to reduce foam.
- Ensure the proper food type is selected (formula or human milk).
- Re-prime the tubing to remove any air or foam in the tubing.
- *Remember to disconnect the set from the patient before priming.*
- Turn the pump off.
- Clean the delivery set cassette and check pump receptacles around the pressure sensors. Turn the pump on again.
- Reload the delivery set.
- Close the door completely.
- Turn the pump off and then on again.
- Verify all settings are correct.
- Restart the feeding.

Charging Issues

- Check connections for both the wall plug and pump adapter.
- Verify that the green indicator light on the charger wall plug is illuminated.
- If the green light is not illuminated, plug another device into the outlet to ensure the outlet is functioning properly.
- Inspect for damage to charging adapter and receptacle on the pump, including bent or missing pins.

Other messages: The pump will occasionally display other messages such as PUSH RUN TO FEED, LOW BATT, SHUT DOOR, DOSE DONE, NEXT DOSE, CHEK, etc. These messages are used to provide updates on feeding updates and pump performance. See the "Alarms, Messages, and Indications" chapter of the operator's manual for detailed information. You may also refer to the Troubleshooting section for additional assistance.



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Enriching Lives.™