

SYRINGE PUMPS VS. ENTERAL PUMPS IN THE NICU

UNDERSTANDING THE ADVANTAGES & SHORTCOMINGS OF EACH TECHNOLOGY CAN HELP IDENTIFY THE OPTIMAL PUMP FOR EACH SITUATION

DIFFERING PUMP TECHNOLOGIES

In acute care settings, such as the NICU and PICU, both syringe pumps and enteral pumps are used to pump human breast milk and formula, often in very small volumes, requiring the staff to determine which is the most appropriate for use in a specific situation. As patients transition to home care, pump options typically become more limited.

Understanding the relative advantages of each technology can help healthcare providers determine when to transition from one type of pump to another in order to meet clinical processes and patient needs.

SYRINGE PUMPS

Motor-driven devices that use one or more syringes to precisely and accurately deliver nutrition or medication.

Typically $\pm 1 - 3\%$

Usually around 2 mL

Much more complex to program and use

Not available in home care

Attribute comparison

ACCURACY

LOSS-IN-LINE

EASE-OF-USE

HOME CARE

ENTERAL PUMPS

Electromechanical devices that deliver nutrition from a feeding bag or container through a connected delivery set to the patient.

Typically $\pm 5 - 10\%$

Often over 15 mL

Much easier to program and use

Widely available in home care



When does it make sense to transition to an enteral feeding pump?

Moving to an enteral pump usually occurs when a patient's feeding volume exceeds a single syringe. In these cases, the nurse must continually refill and replace the syringe, resulting in unnecessary time spent managing a single feeding.

However, transitioning from a syringe pump to a standard enteral pump can have big trade-offs, such as increased loss-in-line and decreased accuracy. **What if there was a pump that minimizes this trade-off and captures more of the benefits of both sides of the equation?**

INFINITY ORANGE SMALL VOLUME ENTERAL FEEDING PUMP

The Infinity Orange is designed to bridge the gap between syringe pumps and traditional enteral feeding pumps. It accurately delivers human breast milk in very low volumes and minimizes wasted milk (or formula) left in the tubing. It is less expensive than syringe pumps and incorporates several unique safety features that reduce the likelihood of programming errors or tubing misconnections.



Infinity Orange 100 mL Delivery Set:
The small and conical design of the 100 mL delivery set make it easy to accurately deliver feeds.



Infinity Orange Screw Cap Delivery Set:
This unique delivery set allows any standard baby bottle with a 40mm opening to connect directly to the feeding set.

ACCURACY

$\pm 5\%$

LOSS-IN-LINE

1.5 mL

EASE-OF-USE

Much easier to program and use

HOME CARE

Widely available in home care

Scan this QR code to view the "Growing with Infinity Enteral Feeding Pumps" infographic.

This infographic details the differences between the Infinity and Infinity Orange pumps and delivery sets. It also describes considerations of when it may make sense to move from one pump to the other.

