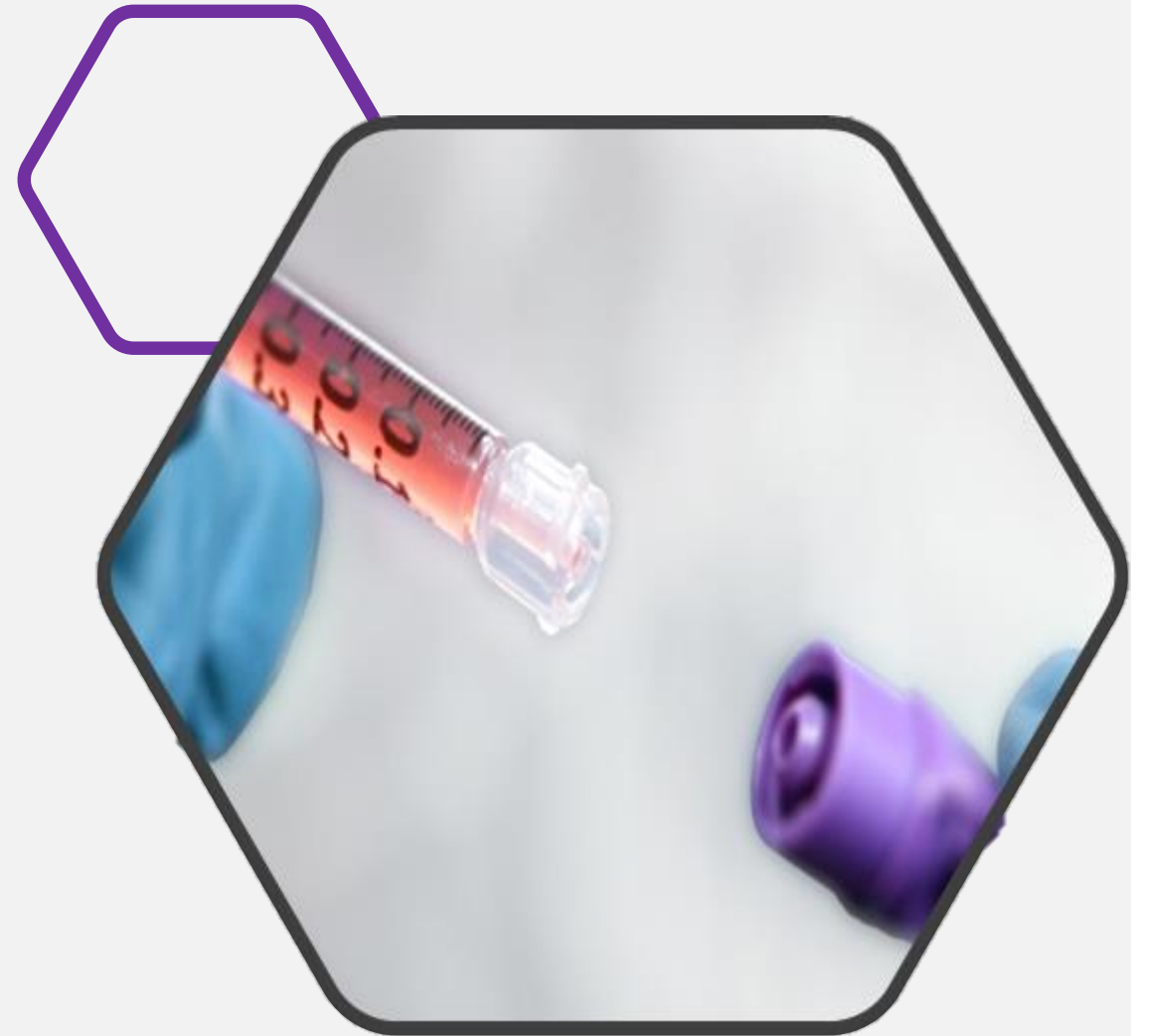




ENFIT
ENTERAL FEEDING
Solmed Pty Ltd

WHY IS A NEW ENTERAL CONNECTOR BEING INTRODUCED?

The purpose of the new connector is to help reduce the risk of enteral tube feeding misconnections and improve patient safety. The new ISO standard, ISO-80369-3, has been established for Luer connectors on the nutrition formula end and the patient-access end. There is just one standard connector that will be utilized by all feeding set manufacturers and universally adopted into practice.¹



WHAT IS THE ORIENTATION OF THE ENFIT SYSTEM AND WHY IS THIS IMPORTANT?

To ensure compatibility between components of an ISO 80369-3 compliant system, ENFit has a specified orientation. In an ENFit system, all administration sets (pump sets, gravity sets, bolus feeding devices) and ENFit Tip Syringes have an ISO 80369-3 female connector that mates to the ISO 80369-3 male connector on the feeding tube (NG Tube, G-Tube, PEG, J-Tube).

The LDT was tested to determine if it misconnected with other devices. A few potential connections existed which, after complete assessment, were determined to have a very low risk level.²



TUBING MISCONNECTIONS ADVERSE EVENTS

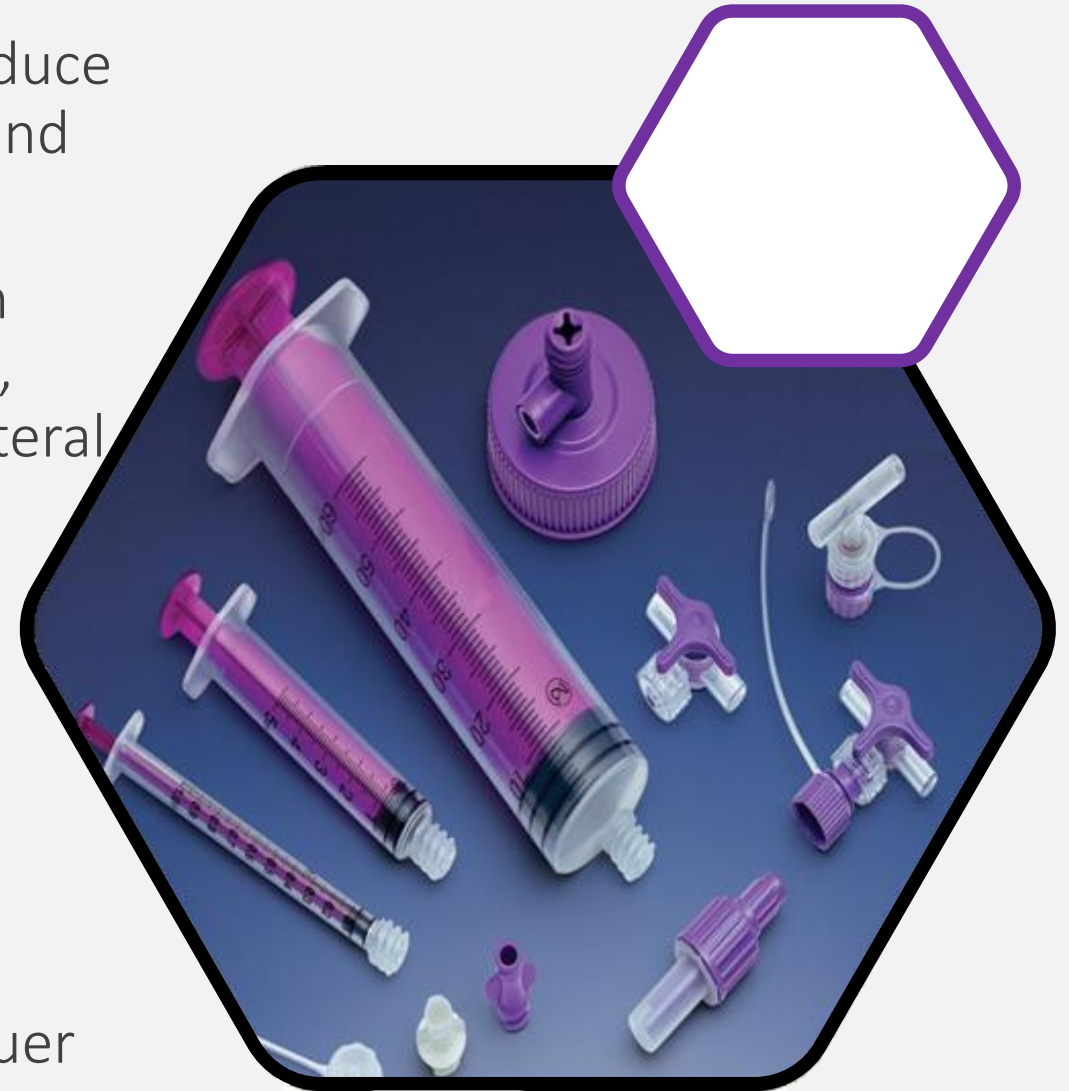
- IV tubing misconnected to a nasal cannula used to deliver oxygen — the patient survived after being treated for congestive heart failure
- Feeding tube to a tracheostomy tube, delivering milk into an infant's lung, resulting in death
- Epidural infusion set connected to a peripheral IV, delivering epidural medication to bloodstream, resulting in patient death
- Feeding tube connected to an in-line ventilator suction catheter, delivering feeding contents into the patient's lungs, resulting in death
- Heparin lock (peripheral IV route) connected to an automatic blood pressure cuff, delivering air to the bloodstream, causing death
- Feeding tube was coupled with a peripheral line of a pregnant woman, resulting in enteral nutrition delivered directly into the bloodstream; neither the 35-week-old fetus nor the woman survived.³



WHY SHOULD WE ADOPT THE ENFIT CONNECTOR?

The ENFit connector provides a simple way to reduce the risk of enteral tube feeding misconnections and improve patient safety. The ENFit connector:

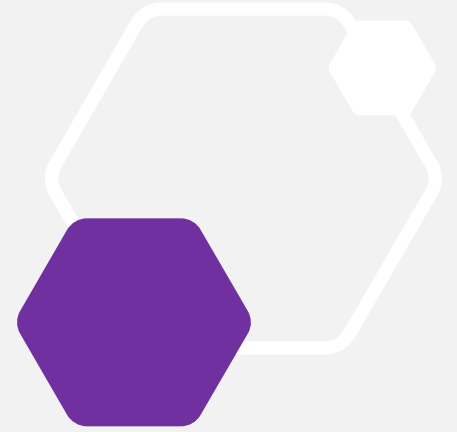
- Addresses “patient side” connections between feeding tubes, administration sets, medication, flush and bolus feeding syringes, and other enteral devices
- Has been tested using a rigorous validation process including performance testing, misconnections assessment, computer aided design (CAD), human factors, usability and risk analysis testing.
- Provides the added benefit of providing a connection that stays connected much like a Luer lock system for IV/hypodermic applications.⁴



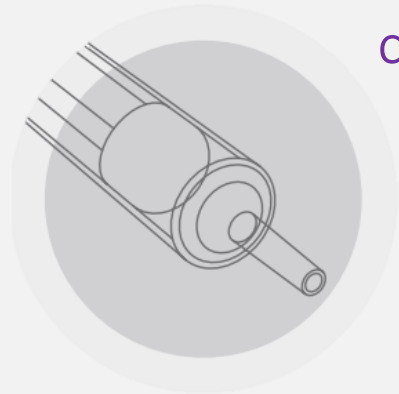
WHAT MAKES THE ENFIT CONNECTOR DIFFERENT FROM THE CURRENT SYSTEM?

The ENFit connector has a unique enteral-specific design that:

- Does not allow connectivity with connectors for any other clinical use
- Provides a locking feature for a secure, leak free connection
- Administration sets and syringes have a female connector end that fit onto or over a male patient access feeding tube port

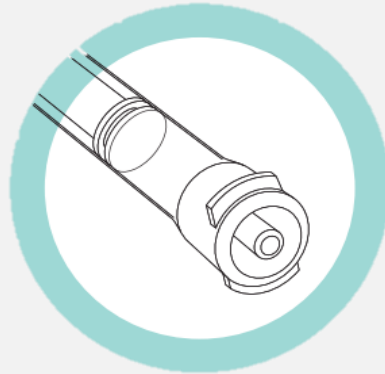


CURRENT SYRINGE



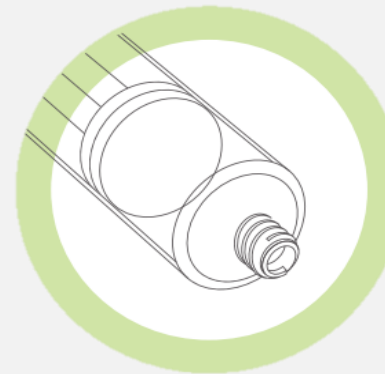
SYRINGE (Low Dose Tip)

To ensure small volume dosing accuracy, syringe sizes of 5mL or smaller may require an ENFit Low Dose Tip.

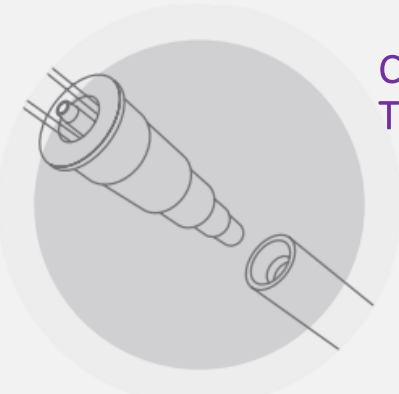


SYRINGE (Standard Tip)

Syringes to administer medicine, flush, hydrate, or bolus feed through enteral tubes will now require a precise enteral-specific fitment.



CURRENT FEEDING TUBE



FEEDING TUBE

Changing from male—the stepped or Christmas tree connector—to the new ENFit female connector. The feeding tube port for the administration set will change from female to male.



WHAT ENFIT PRODUCTS ARE ON THE MARKET?

1. Feeding Tubes
2. Syringes
3. Bottle Caps
4. Sampling Straws
5. Extension Sets
6. Stopcock
7. Y Connectors
8. Syringe Caps
9. Brush
10. Administration Sets
11. Feed Containers



LEARN THE BASICS – NASAL TUBES

Nasal tubes are non-surgical and impermanent tubes placed through the nose and into the stomach or intestine. The choice between nasogastric (NG), nasoduodenal (ND), and nasojejunal (NJ) tubes depends on whether feeding into the stomach can be tolerated or not.

NG-TUBES enter the body through the nose and run down the esophagus into the stomach.

ND-TUBES are similar to NG-tubes, but they go through the stomach and end in the first portion of the small intestine (duodenum).

NJ-TUBES extend even further to the second portion of the small intestine (jejunum). Bypassing the stomach can be beneficial for those whose stomachs don't empty well, who have chronic vomiting, or who inhale or aspirate stomach contents into the lungs.⁵



LEARN THE BASICS – ENFIT SYRINGES

STADNARD TIP - Syringes to administer medicine, flush, hydrate, or bolus feed through enteral tubes will now require a precise enteral-specific fitment.



LOW DOSE TIP - The ENFit® Low Dose Tip provides a solution for accurate enteral dosing while maintaining a high level of mitigation to the risk of inadvertent tubing misconnections. To ensure small volume dosing accuracy, syringe sizes of 5mL or smaller may require an ENFit Low Dose Tip. 6.



FILLING A SYRINGE USING A BOTTLE FILL CAP

Always consult the syringe manufacturer on instructions for use. These are guidelines for general filling practices and do not supersede the manufacturer recommendations.

Current fill caps will NOT work directly with the new ENFit syringes. This procedure will demonstrate different ways to fill ENFit syringes.

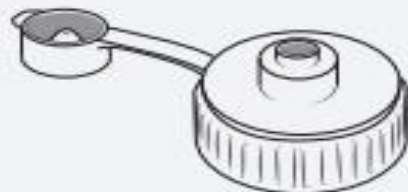
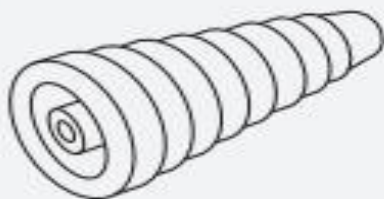


Liquid medication bottle with open top



Liquid medication bottle with press-in oral syringe adapter

CURRENT



NEW



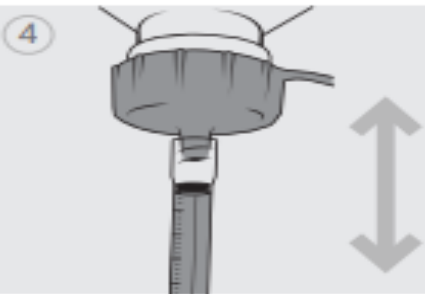
Step 1. Make sure that the medication bottle has an ENFit compatible fill cap such as the ones shown above.



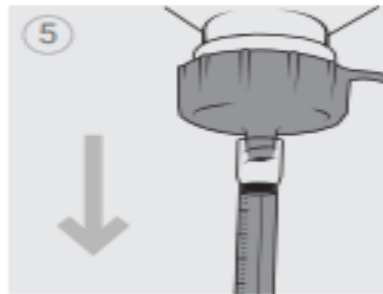
Step 2. Attach the syringe to the bottle adapter.



Step 3. Turn medication bottle upside down.



Step 4. Quickly pull and push syringe to cycle (eliminates air bubbles)



Step 5. Pull plunger back to desired dose.



Step 6. Turn bottle right side up and remove syringe.

FILLING A SYRINGE USING A MEDICINE STRAW AND CUP



Example of a Medication Straw

When an ENFit bottle cap will not fit the medication bottle or it is impossible to remove the current bottle adapter, fill the syringe using a medication straw.



Step 1. Connect the ENFit medication straw to the syringe.



Step 2. Insert straw through existing adapter or directly into bottle.



Step 3. Cycle the syringe to help eliminate air bubbles and then draw up medication to desired dose.



Step 4. Gently tap or flick to remove any remaining medication in the straw and to eliminate air bubbles in the syringe.



Step 5. Gently twist the syringe to remove it from the straw.



Step 6. Carefully tap or flick the syringe to remove excess fluid in the moat.

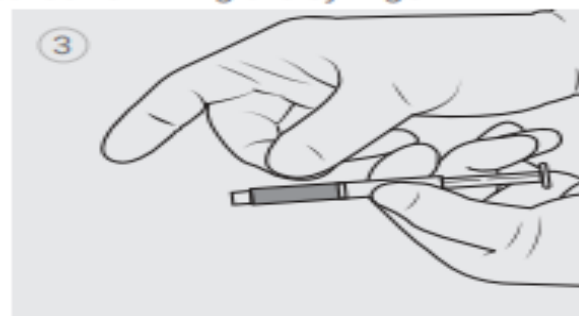
If the medication is delivered in a dose cup and needs to be transferred to an enteral syringe, the syringe can be prepared in two ways. **NOTE:** Filling the syringe via a dose cup is not the preferred method for filling the syringe.



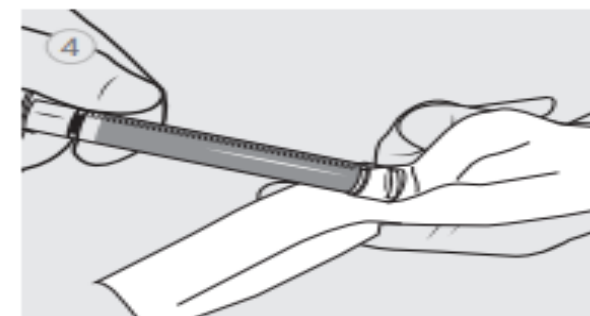
Step 1. Submerge tip of syringe into medication cup after priming syringe.



Step 2. Cycle the syringe and then gently pull up on the plunger to fill syringe to desired dose.



Step 3. Tap/flick the syringe to remove air bubbles.



Step 4. Wipe off end of syringe to remove excess medication in tip.

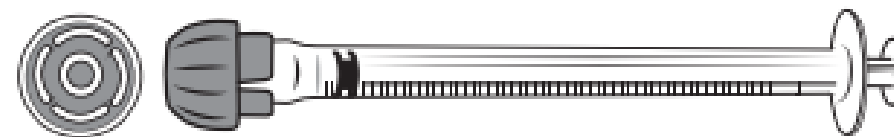
NOTE: Critical medications such as narcotics or cardiac medications that have a narrow therapeutic index **MUST** be free of medication in the moat of the low dose tip syringe.



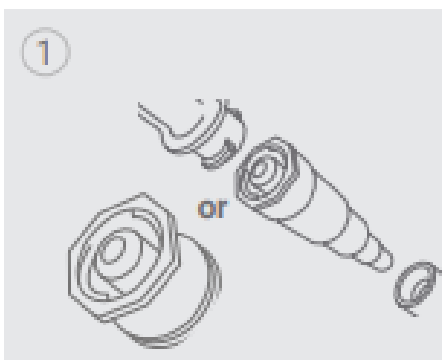
ADMINISTRATION FOR ALL FILLING METHODS

Administering medication is easy with the ENFit system. Note that ENFit labeled enteral access devices with feeding or medication ports are only compatible with ENFit medication syringes.

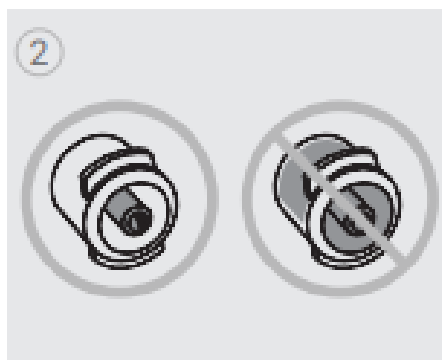
Once you have verified correct patient using 2 forms of identification and perform hand hygiene:



Example of ENFit Syringe and Syringe Cap



Step 1. Verify feeding tube or access device/extension set is ENFit compatible (ENFit port or Transition Connector Extension set is in place).



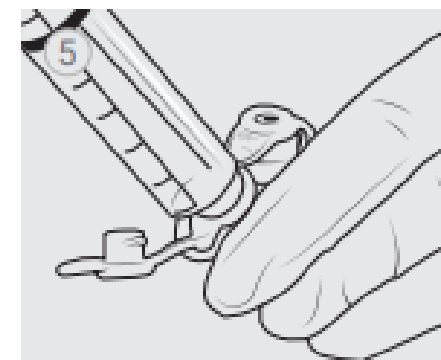
Step 2. When using an ENFit Low Dose Tip syringe, verify the moat is free of excess medication. If there is excess, flick the end of the syringe to remove.



Step 3. Attach an ENFit syringe with flush solution to patient tube or extension set and administer the flush. Detach the syringe.



Step 4. Attach ENFit tip syringe into medication port. Once secure, gently push syringe plunger to transfer medication into enteral access site.



Step 5. After completely expelling the medication from the syringe, detach the syringe and flush the medication port according to instructions.

Oral Applications

When considering using an ENFit syringe for oral route medication administration, contact the syringe manufacturer for specific indications for use and instructions OR contact your organizational supply chain personnel.

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