# Indications for Use

The administration of enteral feeds via:

* Nasogastric tube
* Gastronomy tube including PEG (Percutaneous Endoscopically placed Gastrostomy tube) and RIG (Radiologically inserted Gastrostomy tube)
* Jejunostomy tube

# Risks and Hazards

**The risks of enteral feeding:**

* Wrong route errors
* Aspiration
* Contamination of feeding solution
* Underfeeding
* Overfeeding
* Re-feeding syndrome in patients with a long history of low caloric intake
* Tube feeding syndrome
* Gastroesophageal reflux
* Abdominal distension

**The complications of enteral feeding:**

* Nausea and vomiting
* Diarrhoea
* Constipation

**Common problems with enteral feeding:**

* Blocked tube
* Free flow
* NG feeds - Incorrect placement of the tube
* Air in line causing abdominal distension

**Preventative actions:**

* Correct procedure to set up feed
* Use correct giving set
* Use “Fill set “ to prime the line
* If connecting to an NG tube, check the tube is in the correct position
* Flush the line prior and following use
* Give the prescribed rate and dose
* Check the patient and ensure that they are comfortable
* Check the pump periodically during the shift
* Respond to alarms appropriately

# Pre-use checks

Before using the pump, check to see if the:

* Pump is clean and intact
* Pump has asset number and service date stickers
* Pump has a sticker in place showing default rate
* Feeding set is unopened

# Preparation

* Ensure that you have a valid prescription
* The pump is attached to a 5-legged drip stand
* Normal infection control procedures apply i
* Select the appropriate administration set and check the set is in date
* Prepare the infusion, checking that all components are in date

# Buttons

|  |  |
| --- | --- |
| **ON/OFF** | Switches the pump on and off |
| **CLR** | Used to clear the previous settings.  The pump then reverts to its default settings. |
| **START/STOP** | Start and stop the infusion  When the infusion is stopped it stays in hold mode. If the pump is in hold mode for more then 3 minutes it will alarm |
| **DOSE=VOL** | The volume to be infused.  This can be CONT for a continuous feed or use the + and - buttons to programme a specific volume. The volume ranges from 1 - 4000ml in 1 ml increments.  **Default setting is CONT** |
| **INFO** | Displays the volume infused  Default setting is 0 |
| **Ml/h** | The rate of the infusion in ml/hr.  The flow rate ranges from 1 - 400 ml/hr in 1 ml increments. The flow rate slows down at 50, 125 and 250 ml/hr  **Default setting is 125 ml/hr** |
| **FILL SET** | Used to prime to set  Can also be used when air in line detected |
| **+** | Use to programme the dose and rate |
| - |

# Set Up

1. Connect the set to the feed container
2. Open the pump door
3. Position the lopped section around the rotor. Stretching slightly, seat the cassette into the pump and close the pump door
4. Switch the pump on
5. **Clear the previous settings:** 
   1. Press CLR then DOSE=VOL -  goes to CONT
   2. Press CLR then INFO -  goes to 0
   3. Press CLR then ml/h - goes to 125 ml/hr
6. Prime the set by pressing "Fill Set"
7. **To programme a continuous feed:**
   1. DOSE=VOL is already set to CONT
   2. Press ml/h, then press the + (or - ) button until you reach the correct rate
8. **To programme a dose:**
   1. Press DOSE=VOL, then press the + (or - ) button until you reach the correct volume
   2. Press ml/h, then press the + (or - ) button until you reach the correct rate
9. Before starting the feed always check the position of the feeding tube and flush the line
10. Press START/STOP

# Change Rate

1. Press START/STOP
2. Press ml/h, then press the + (or - ) button until you reach the correct rate
3. Press START/STOP

# Cleaning and Decontamination

This should be carried out:

* before and after patient use
* on transportation between wards
* before returning to the equipment library
* on a daily basis when in use a on patient
* where otherwise indicated e.g. following a spill or leakage

Use Sani Cloth Detergent wipes

# Storage

Store the pump:

* Somewhere clean and dry
* Plugged in
* Cleaned/decontaminated

# Maintenance

The syringe driver should be returned to the Equipment Library or Biomed for servicing on an annual basis.

# Alarms and Alerts

**AIR**

Air in line detected. Try the following.

* Replace the empty feeding reservoir and continue feeding. If necessary prime the set.
* Make sure the air sensor is clean.
* Make sure the feeding set is properly inserted in the pump.

**Also occurs where the feeding set has been used for more than 24 hours. Replace the feeding set.**

**BATT**

* Connect the adaptor to the pump and mains and charge the pump for approx. 6 hours.
* During charging the pump can be used.

**Battery – E and F flashing**

* Turn the pump “off”, contact Biomed x4312 or refer the pump to service.

**END OF DOSE**

* Programmed dose completed. Either
* Turn the pump off
* Reprogram a new feeding schedule and start the pump by pressing “START/STOP”.

**ERRZ OR ERRA**

* Turn the pump “off”, make sure the pump door is closed and switch the pump back “on”.
* If the error persists, contact the equipment library

**FILL SET**

The pump is priming the set

* Press the “FILL SET” key another time to stop the pump and bring it back in the hold mode.

**No plug symbol visible**

The wall outlet doesn’t work or the adaptor is damaged.

**NO SET**

The set is not fitted or wrongly fitted in the pump.

The pressure sensor area is dirty. Clean the sensors, reinsert the cassette in the pump and restart the pump

**OCC IN**

The pump detected an upstream occlusion between the pump and the feeding bag or the pressure sensor area is dirty

* Stop the alarm by pressing the “START/STOP” key.
* Remove the feeding set out of the pump and check the permeability by flushing the line.
* Re-insert the feeding set in the pump and restart.

**OCC OUT**

The pump detected a downstream occlusion between the pump and the patient.

* Stop the alarm by pressing the “START/STOP” key.
* Check the permeability of the feeding tube by aspirating liquid via the medication port.

**OCC OUT (repeated)**

Calibration not yet completed on the current feeding site.

* Stop the alarm by pressing the “START/STOP” key.
* Start the pump by pressing the “START/STOP” key and let it run only briefly.
* Stop the pump by pressing the “START/STOP” key insuring that there has been no occlusion out alarm.
* Remove the feeding set from the pump and reinsert the feeding set in the pump.
* Restart the pump by pressing the “START/STOP” key.

**PUSH STRT**

The pump has been untouched in hold mode for 3 minutes or more

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**Nutricia Flocare Infinity**

**QUICK GUIDE**

**In the guide:**

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* Risks and Hazards
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**For further information:**

Contact the Medical Device Trainer on x4448 or

Go to the intranet: Departments/Medical Device Training

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