QUICK REFERENCE GUIDE
FLUSHING MODE OPERATION

Kangaroo™ ePump Enteral Feeding
Pump "Flushing Set Required"

Status LEDs
Red: Error
Yellow: Hold/Pause
Green: Normal Operation

Programming and Menu Selection Buttons

Power Button

Below are some of the probable causes of alarm conditions and how to correct them.

SYMPTOM	PROBABLE CAUSE	CORRECTIONS
Hold Error	Pump in Holding mode for more than 10 minutes.	Press Continue to return to Holding screen, or press and hold the Power button to turn off. Several options are available from the Holding screen, such as Run and Adjust Settings.
Flow Error	Occlusion in pump-patient line (downstream occlusion).	Check for and correct the occlusion in the line between pump and patient. Replace Pump Set if error can't be resolved.
Feed Error	Empty bag or occlusion in bag-pump line (upstream occlusion).	Check for empty bag and refill, or check for and correct the occlusion in the line between the pump and feed bag. Replace Pump Set if error can't be resolved.
Flush Error	Empty bag or occlusion in flush line.	Check for empty bag and refill, or check for and correct the occlusion in the line between the pump and flush bag. Replace Pump Set if error can't be resolved. Check the valve pocket in the pump set loading area for dampness or dirt.
Pump Set Use >24 Hrs	Pump Set in use beyond recommended length of time.	Informational warning message blinks on upper left of screen. It's recommended that the Pump Set be replaced.
Pump Set Dislodged	Pump Set not properly loaded to pump.	Check black ring retainer (MISTIC) and valve; reload Pump Set and restart pump to continue. Replace Pump Set if error can't be resolved.
Battery Low	Battery charge too low.	Immediately plug pump into A/C outlet to recharge battery and to provide power for pump.
Rotor Error	Pump Set tubing not properly loaded on rotor, or other unusual rotor operating condition.	Check that the tubing is loaded on the rotor and that it's not damaged, torn, etc. Reload tubing or replace Pump Set.
System Error	General error caused by many factors. See manual for error list.	Power down pump and attempt restart to clear error. Call customer service at 800.962.9888 with screen code if error can't be resolved.

For additional operating instructions and information, see the operating manual for the Kangaroo™ ePump Enteral Feeding Pump, Flushing Mode Operation "Flushing Set Required."

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Battery Operation

Unplugging the pump from the AC line will automatically put the pump on battery power. To recharge the battery, plug the pump into an AC wall outlet. Pump will automatically begin charging. If A/C power is interrupted, a built-in rechargeable battery will run the pump.

General Instructions

1. Fill or spike feeding container and water bag prior to setting up pump.
2. Turn pump on by pressing Power button in lower right-hand corner.
3. To achieve proper accuracy, the bottom of the feeding set bag must be 18 inches above the top of the feeding pump.
4. Select Keep Settings or Clear Settings. For day-to-day use with the same feeding regimen, select Keep Settings.
5. Load the set per diagram.1 Don´t overstretch the tubing.

Priming the Pump

1. Press Prime Pump to access the pump priming options.
2. Press Auto Prime to automatically prime the pump set. The pump will quickly prime both feed and flush lines, starting with the flush line. The formula will stop before reaching the end of the feeding line.
3. Press and hold Hold to Prime Feed to prime the feed liine down to the connector at the end of the pump set.
4. Press Done.

Setting the Feed Rate

Select Adjust Feed, then Feed Rate. Use the buttons on the left to program the pump from 1 to 400 in increments of 1 mL. Select Enter when desired rate is set.
Note: The Volume to Be Delivered (VTBD) rate is an optional feature. Only use the VTBD option if you want the pump to stop and alarm once a set amount of formula is delivered. Select Feed VTBD. Use the buttons on the left to program the VTBD from 1 to 3000 in increments of 1 mL. Select Enter when desired VTBD is set. Select Done.

Setting the Flush Rate

1. Select Adjust Flush then Flush Volume to set the volume of water per flush cycle to be administered from 10 to 500 in increments of 1 mL. Select Enter when desired rate is set.
2. Select Flush Interval to define the time interval between the start of each flushing cycle from 1 to 24 hours in increments of 1 hour. Select Enter, then Done.
3. Select Run. A small drop will scroll down the screen when running.

Repriming the Pump After the Feed Bag Empties

1. A pump set bag that has been emptied will trigger the Feed Error screen. In this condition the pump set bag can be refilled to continue the feeding, but only after the pump set has been reprimed.
2. Disconnect the feeding line from the patient.
3. Refill the bag.
4. Press Continue to begin the pump running.
5. Press Hold, then press Adjust Settings, then press Prime Pump.
6. Press Hold to Prime Feed to prime the feed line down to the connector at the end of the pump set.
7. Press Hold to Prime Feed until formula reaches the stepped connector at the end of the set.
8. Press Done, then select Run.

To Change Rate or Clear Volume

1. Select Hold.
2. Select Clear Vol to clear the volume.
3. Select Adjust Settings to adjust all settings.
4. Select Run to return to normal operations.

Pump sets should not be reused after 24 hours of initial usage.

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