

KANGAROO® ENTRIFLUSH® FEEDING PUMP

Directions For Use

NORMAL OPERATION

Plug the pump into AC wall outlet

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.

These general instructions are for inserting the Kendall Healthcare Kangaroo Entriflush Pump Administration Sets into the Entriflush Pump.

1. Fill feeding bag prior to setting up pump.
2. Insert drip chamber into upper drip chamber guide, wrap silicone portion of the pump set tubing around rotor, insert the pump set retainer disc into retainer lock on the pump. Thread the sets tubing through tubing guide.
3. To turn the pump on, first remove protective cover from valve on the pump set, then insert the valve into the pump's valve recess chamber and hold it there for approximately 3 seconds until pump beeps.
4. Set hourly feeding rate by pushing arrow keys to desired amount in mls. OR If setting a dose to be delivered is desired press "FEED DOSE", the appropriate arrow key to set the desired dose to be delivered.
5. If desired, set the flush dose as follows:
 - A. If necessary, clear the flush dose, total and/or interval settings by pressing "FLUSH DOSE", "FLUSH TOTAL" and/or "FLUSH INTVL" respectively, then "CLEAR".
 - B. Set amount of water to be infused if desired by pressing "FLUSH DOSE", then appropriate arrow key for the hourly increment.
 - C. Set hourly flush interval time by pressing "FLUSH INTVL" then the appropriate arrow key for the hourly increment.
6. Attach distal connector to feeding tube, open roller clamp, the press "RUN/HOLD" to begin feeding.

IMPORTANT NOTICE: To simplify operations, it is recommended to use the flush dose/flush intervals without using the flush now feature. Use of the flush now feature with the flush dose feature will effect the flush intervals programmed.

"FLUSH NOW" FEATURE

1. Press "RUN HOLD"
2. Press "FLUSH NOW", then press appropriate arrow key for the desired amount of water to be flushed.
3. Press "FLUSH NOW" again to activate flush.
4. Press "RUN HOLD" after "FLUSH NOW" has ended to restart feeding.

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Troubleshooting Guide

Listed below are some of the probable causes of alarm conditions and their corrections.

| Sympton | Probable Cause | Corrections |
|---------------------------------------|---|--|
| No Set Alarm (no SEt) | Pump set has been improperly placed onto pump. | Be sure that only a Kangaroo Pump Set has been placed onto the pump. Be sure that the set has been properly positioned on the pump. |
| Feed Error Alarm (FEEd Err) | Feeding container is empty. Feeding tube or feeding set is occluded Drip Chamber walls are coated with feeding formula. Sensor in upper drip chamber is blocked. | Refill feeding container. If feeding set has been in use for 24 hours, replace. Locate point of occlusion and correct. NOTE: occlusion may occur upstream or downstream from pump. Check the patency of feeding tube. If formula cannot be removed from inside walls of chamber via chamber manipulation, replace feeding set. Be sure black surface of drip chamber guide is free of dried formula. Remove any deposits by using a cotton swab dampened with warm soapy water or isopropyl alcohol. |
| Dose Delivered Alarm (dOSE dEL) | Preset dose has been delivered to patient | Repeat the feed dose (press “RUN HOLD”); OR cancel the feed dose feature (press “FEED DOSE” then “CLEAR”); OR change the feed dose (press “FEED DOSE”, then press appropriate arrow key until new dose is displayed); OR turn off pump. |
| Bad Set Alarm (bAD SET) | Fluid leak in set valve | Insert valve and press “RUN HOLD”. If feeding set has been in use for 24 hours, replace set. |
| Flush Error Alarm (FLSH Err) | Flush solution container is empty. Flush tubing is occluded. Drip chamber walls are coated with feeding formula. Sensor in upper drip chamber guide is blocked. Pump has not been primed with flush solution. | Refill flush container. If feeding set has been in use for 24 hours, replace set. Locate point of occlusion and correct. Note: occlusion may occur upstream or downstream from pump. <ul style="list-style-type: none"> • Flush container • Flush tubing • Feeding tube – check for obstructions. If formula cannot be removed from inside walls of chamber via chamber manipulation, replace feeding/flush set. Be sure black surface of drip chamber guide is free of dried formula. Remove any deposits by using a cotton swab dampened with warm soapy water or isopropyl alcohol. If flush features are desired, turn pump off to release valve, fill flush container and reload the set onto the pump. |
| Low Battery Alarm (LO bAT) | Battery has been run down. | Plug pump power cord into wall outlet. |
| Hold Error Alarm (HLd Err) | Pump has been left in the hold mode for over 5 minutes | Press “RUN HOLD” to silence alarm, then press “RUN HOLD” again to restore flashing rate display, and press “RUN HOLD” again to restart pump. |
| System Error Alarm (SyS Err) | Problem with rotor, rotor position sensing, or valve position sensing | Return pump for technical service. |
| Internal Circuit Problem alarm (8888) | Problem with internal pump circuitry. | Verify that batteries are fully charged. Return for technical service. |
| No Audible Alarm | Alarm volume set too low. Battery is fully discharged. Alarm cicuity failure. | Turn alarm volume knob on pump to desired setting. Charge battery for a minimum of 12 hours. Return pump for technical service. |