

Kangaroo Control™ 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 outlet. Pump will automatically begin charging.

These general instructions are for inserting the Kangaroo® Enteral Feeding Pump Sets into the Kangaroo Control™ Feeding Pump.

1. Close roller clamp on pump set and fill feeding bag.
2. Press “ON”. Wait while pump performs systems check.
3. To clear the volume delivered, press and hold the “VOL/CLR” button.
4. Set delivery rate by pressing the increase button or decrease button.
5. Set the volume to be delivered (VTBD), if desired, by pressing “VOL TBD” button, then immediately press appropriate arrow key. (NOTE: Setting the VTBD is not required to operate pump.)
6. Open loading arm by pressing the latch from the rear of the pump and rotating the arm downward into the fully open position.
7. Insert bottom of drip chamber into lower drip chamber guide.
8. Insert top of drip chamber into upper drip chamber guide.
9. Insert tubing into loading arm.
10. Close loading arm by rotating upward counterclockwise until it latches shut.
11. Slowly open roller clamp and press “RUN/HOLD” to prime the pump set.
12. Attach pump set connector to feeding tube.
13. Press “RUN/HOLD”. While pump is running, dots will flash across display.

TO CHANGE DELIVERY RATE:

1. Press “RUN/HOLD”. While pump is on hold, the display flashes on and off.
2. Set new rate by pressing appropriate arrow key on the front panel.
3. Press “RUN/HOLD” to resume pumping.

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Troubleshooting Guide

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

Symptom	Probable Cause	Corrections
LOAD SET (Load Set Alarm)	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 and the loading arm is closed.
FLOW ERR (Flow Error Alarm)	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. Important: Disconnect pump set from patient when diagnosing a flow error, as a flow error may initiate an autoprime sequence.	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. <ul style="list-style-type: none"> • Feeding container • Feeding pump set and clamp • Feeding tube – check for obstructions 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.
VTBD DEL (VTBD Delivered Alarm)	Preset volume has been delivered to patient.	Repeat the VTBD (press “RUN HOLD”; OR cancel the VTBD feature (press “VTBD” then CLR); OR change the VTBD (press “VTBD” then press appropriate arrow key until new VTBD is displayed); or turn off pump.
LO BAT (Low Battery)	Battery has been run down.	Plug pump power cord into wall outlet.
HLD ERR (Hold Error)	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.
SYS ERR (System Error)	Problem with rotor, rotor position or sensing.	Reinstall set. Reclose arm. If error persists, replace set. If error still persists, return pump for technical service.
XXXX (Internal Circuit Problem)	Problem with internal pump circuitry.	Plug unit in AC. If alarm conditions persists, return for service.
No audible Alarm	Battery is fully discharged. Alarm circuitry failure.	Charge battery for a minimum of 16 hours. Return pump for technical service.