



# Kangaroo™ 924

## Enteral Feeding Pump

### Directions For Use

#### NORMAL OPERATION

Plug the pump into AC wall outlet.

#### BATTERY OPERATION

Unplugging the pump from the AC line will place the pump on battery power. To recharge the battery, plug the pump into an AC wall outlet. Pump will automatically begin charging.

**PROGRAMMING**-These general instructions are for inserting the Kangaroo™ 924 Feeding Sets into the Kangaroo™ 924 Feeding Pump.

1. Close roller clamp on pump set.
2. Fill feeding bag or spike container prior to setting up pump.
3. **In order to achieve proper accuracy, the fluid line in the feeding bag must be 28 inches above the top of the feeding pump when initiating the feeding cycle.**
4. Slowly open control clamp and fill entire line with fluid, leaving a few drops of fluid in the drip chamber.

NOTE: Avoid filling the drip chamber more than half full.

5. Close roller clamp.
6. Load set per arrow diagram on pump. **Do not overstretch tubing.**
7. Press **ON** and wait while pump performs a system check.
8. Check VOL CLR light or press VOL then VOL CLR to clear volume.
9. Set feed rate using one of the two following options:

- Pressing the increase ▲ or ▼ decrease button, or
- Turning the knob on the left side of the pump

**Setting the Volume to be Delivered "VTBD" Rate (optional feature)**

- Press the VTBD button.
  - Set "VTBD" by using knob on side of pump, or by pressing the increase ▲ or ▼ decrease button.
- Only use the "VTBD" option if you want the pump to stop and alarm once a set amount of formula is delivered.
  10. Open roller clamp.
  11. Press **START/HOLD** **START/HOLD**.

#### TO CHANGE RATE:

1. Press **START/HOLD**.
2. Set new rate by pressing the ▲ or ▼ keys on the front panel.
3. Press **START/HOLD**.

See pump operating manual for detailed instructions.



### Troubleshooting Guide

SYMPTOM	PROBABLE CAUSE	CORRECTIONS
Flow Error Alarm (Flo Err)	<p>Feeding container is empty.</p> <p>Feeding tube or feeding set tubing is occluded.</p> <p>Drip chamber is improperly placed in pump.</p> <p>Drip chamber walls are coated with feeding formula.</p> <p>Sensors in upper drip chamber guide are blocked or dirty. Drip chamber is too full.</p>	<p>Refill feeding container. If bag has been in use for 24 hours, replace.</p> <p>Locate point of occlusion and correct. Note: occlusion may occur upstream or downstream from pump. Check to make sure roller clamp on feeding set tubing is open. Check the patency of feeding tube.</p> <p>Check to make sure drip chamber is properly "locked" in position in drip chamber guide.</p> <p>Check to make sure formula is not preventing sensors from proper operation. If formula cannot be removed from inside walls of chamber via chamber manipulation, replace set.</p> <p>Check to make sure sensors are free of dried formula. Remove any deposits by using a cotton swab dampened with warm soapy water.</p>
Low Battery Alarm (Lo bAt)	Battery has been run down below point of maintaining accuracy of pump.	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 <b>START HOLD</b> to silence alarm, then press <b>START HOLD</b> again to stop flashing, then press <b>START HOLD</b> again to restart pump.
No Set (LoAd SEt)	<p>Pump set has been improperly placed onto pump.</p> <p>If "dots" appear with message; too much ambient light</p>	<p>Check to make sure only a Kangaroo™ 924 Pump Set has been placed onto the pump.</p> <p>Check to make sure that the Optix™ Connector on pump set has been properly positioned into the Optix™ lock on pump. Make sure there is no water or other contaminants on the Optix™ Connector or Optix™ lock window.</p> <p>Move Pump away from bright light.</p>
System Error Alarm (SYS Err)	<p>Rotor is not turning while pump is running.</p> <p>Rotor is turning but is not detected by rotor sensors.</p>	<p>Return pump for technical service.</p> <p>Return pump for technical service.</p>
No Audible Alarm	<p>Battery is fully discharged.</p> <p>Alarm circuitry failure.</p>	<p>Charge battery for a minimum of 12 hours.</p> <p>Return pump for technical service.</p>



**COVIDIEN**

COVIDIEN, COVIDIEN with Logo and ™ marked brands are trademarks of Covidien AG or its affiliate.

©2008 Covidien AG or its affiliate. All rights reserved.

H-6201-xM-0108

15 HAMPSHIRE STREET

MANSFIELD, MA

02048

1-800-962-9888

508-261-8000

WWW.COVIDIEN.COM