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**KANGAROO** 924

## Section I General Information

The Tyco Healthcare Group LP KANGAROO™ 924 Enteral Feeding Pump is a rotary peristaltic pump designed to regulate the flow rate of enteral feedings. Among the features provided by this pump are:

- Portable operation-built in rechargable battery
- Wide flow rate range 1-300 ml/hr in 1 ml/hr increments
- Small and lightweight for easy transport
- Language Selection (13 languages available)
- Touch panel and knob operation
- Shut off and activation of audible and visible alarms when:
  - Feeding container is empty
  - Feeding tube becomes occluded
  - Drop sensors blocked
  - Battery low (alarms 15 minutes before pump shut off)
  - Unit is left on "HOLD" longer than 5 minutes
  - Pump set is improperly loaded
  - Self diagnosed problem which requires technical servicing
  - Pump motor malfunction
  - Ambient light error
- Automatic systems check after pump has been turned ON
- Large LED display
- Low occlusion pressure. Pump will not overcome back pressure greater than approximately 12 psi (82.7 kPa)
- Integral pole clamp
- Use of OPTIX pump sets to prevent free flow from inadvertent misload of pump set onto pump
- Pump running indicator lights
- DC motor with intermittent operation
- Adjustable alarm volume
- Memory of flow rate setting is retained for 16 or 24 hrs. after pump shut off, depending on AC connection status.

WARNING This KANGAROO 924 Pump requires the use of a KANGAROO 924 Pump Set. The pump will not operate if sets other than KANGAROO 924 Pump Sets are loaded into the pump.

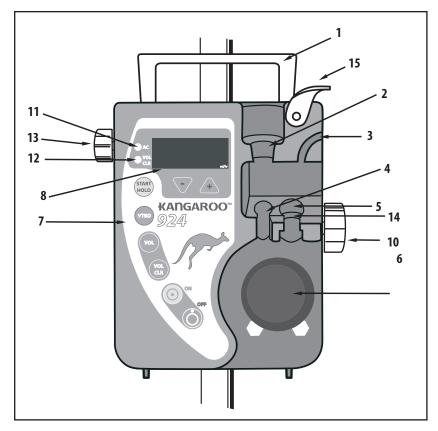
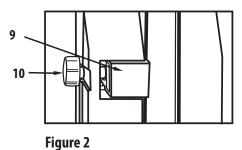


Figure 1



- 1. Handle
- 2. Upper Drip Chamber Guide (including drop sensor)
- 3. Tubing Guide
- 4 Lower Drip Chamber Guide
- 5. OPTIX Lock
- 6. Rotor Assembly
- 7. Touch Panel
- 8. LED Display and Pump **Running Indicator Lights**

- Pole Clamp 9.
- 10. Pole Clamp Knob
- 11. AC Light
- 12. Vol CLR Light
- 13. Adjustment Knob
- 14. Sensor Lens
- 15. Tubing Latch

# **Section II Operating Procedures**

NOTE: To disconnect AC power it is necessary to unplug power cord from the AC wall outlet.

## **AC Light**

On whenever pump is plugged in.

## Vol CLR Light

On when volume delivered has been cleared.

#### ON

Powers the pump (See Figure 3 for location).

## **OFF**

Shuts pump off. NOTE: To disconnect AC power it is necessary to unplug power cord from the AC wall outlet (See Figure 3 for location)



Increases rate or VTBD desired.



Decreases rate or VTBD desired.

NOTE: NUMBERS DISPLAYED WILL CHANGE MORE RAPIDLY IF EITHER ARROW BUTTON IS HELD IN.

## **Adjustment Knob**

Increases or decreases rate or VTBD desired.

#### **VOL**

Displays volume delivered for 5 seconds when pressed. When the pump has been off for 24 hours (16 hours battery), the volume delivered is automatically reset to zero.

#### **VOL CLR**

Clears volume delivered when pressed after VOL has been pressed. The VOL CLR light will go on when volume delivered has been reset to zero. Volume delivered cannot be cleared until the preset VTBD has been delivered or cleared.

## VTBD (Volume To Be Delivered)

When pressed, allows user to preset a volume to be delivered by pressing ▲ or ▼ or rotating adjustment knob. Holding for 5 seconds will clear VTBD setting and volume. VOL CLR light flashes 3 times to signal that VTBD has been cleared.

## START/HOLD

Starts pump rotor to deliver feeding formula to patient and alternately puts unit on HOLD. HOLD is used to stop fluid flow to:(1) correct alarm condition-alarm is silenced (2) change the flow rate(3) change pump set. When on HOLD, the display flashes on and off and the total delivery is retained.

NOTE: IF THE PUMP HAS BEEN PLACED ON HOLD AND NOT RESTARTED WITHIN 5 MINUTES, AN ALARM WILL SOUND.

#### **Normal Operation**

Insert power cord into AC wall outlet.



#### **Battery Operation**

Unplugging the pump from the AC line outlet will automatically put the pump on battery power. A new battery, when fully charged, will operate the instrument for more than 16 hours at 125 milliliters per hour. Approximately 15 minutes prior to battery discharge, a low battery alarm will occur, (see alarm section). When complete discharge occurs, the pump will automatically turn itself off.

NOTE: AS THE BATTERIES GET OLDER, THE TIME FROM LOW BATTERY ALARM TO COMPLETE DISCHARGE MAY BE LESS THAN 15 MINUTES.

To recharge battery, insert power cord into AC wall outlet. Battery will automatically begin charging. The recharge time for a fully discharged battery is approximately 12 hours.

The battery will charge whenever the pump is plugged into a wall outlet, even when the OFF button has been pressed. To be certain that power to all circuits has been disconnected, the power cord must be unplugged from the wall outlet.

## **Battery**

Replacement battery packs are available from Tyco Healthcare Group LP (See Section VI - Factory Service)

WARNING Replace the battery pack only with the same type and rating of battery.

## **Beginning Administration**

Below are general instructions for inserting all Tyco Healthcare Group LP Pump Sets into the KANGAROO 924 Enteral Feeding Pump.

- 1. Press **ON**.
- 2. Wait while pump performs system check. (Displays " 🗎 🗎 🗎 " for a moment.)
- 3. Check **VOL CLR** light or press **VOL** to insure that volume delivered is clear, if desired.
- 4. Rate of delivery may be changed when the delivery rate is shown on the display by using the adjustment knob or by pressing ▲ or ▼ button. Holding button in will cause numbers to continue to increase or decrease.

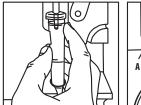


Figure 4A

Figure 4B

- 5. Slide drip chamber into upper drip chamber guide (See Figure 4A).
- 6. Seat and secure chamber in lower drip chamber guide (A).
- 7. Remove distal connector protective cover from the feeding set..
- 8. Follow 924 feeding set instructions to prepare for feeding.
- 9. 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. Close control clamp.
- 10. Attach distal connector to feeding tube.
- 11. Inspect lens in OPTIX lock area (B). Clean any contaminants from lens before proceeding to the next step (Figure 5B).

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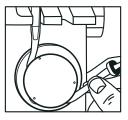




Figure 5B

12. Grasp silicone tubing and gently stretch around rollers (See Figure 5A). Insert OPTIX connector into OPTIX lock (B). Thread tubing over tubing guide (C). Secure latch over tubing (D) (See Figure 5B). Do not over-stretch silicone tube.

# VERIFY THAT THE PUMP SET IS PROPERLY LOADED IN THE PUMP BEFORE PROCEEDING. AN IMPROPERLY LOADED PUMP SET COULD RESULT IN UNCONTROLLED FLOW AND POSSIBLE PATIENT INJURY.

- 13. Set Volume-To-Be-Delivered, if desired. Press VTBD, then rotate adjustment knob or press ▲ or ▼ to set VTBD amount.
- 14. Open control clamp.
- 15. Press START/HOLD.
- 16. Proceed with feeding.
- 17. Dispose of pump sets (Not to exceed 24 hours of use).

#### Used pump sets shall be handled as follows:

To prevent employee exposure risk, the materials must be handled in accordance with bloodborne pathogen standards before being placed in an approved disposal container.

Disposal must be performed in accordance with current medical practices or local regulations in regards to disposal of infectious, biological or medical waste.

# Example of proper placement of Pump Set in KANGAROO 924 Feeding Pump.

Note: When in use with an IV pole, assure feeding bag is set so that the top of the fluid column is 28 inches above the top of the pump.



Figure 6

## **Section III Alarms**

The Tyco Healthcare Group LP KANGAROO 924 Enteral Feeding Pump has been designed to provide audible and visible alarms under several conditions where proper performance cannot be maintained. When an alarm occurs, press the START/HOLD button on the pump and perform the necessary procedures to correct the alarm condition.

NOTE: THE VISIBLE ALARM IS IN THE FORM OF A MESSAGE SHOWN ON THE DISPLAY.

## Load Set (LoAd SEt)

- A. The feeding set is not installed or is installed improperly. See Operating Procedure for installation instructions.
- B. Excessive Ambient Light (dots displayed with LoAd SEt message) indicates an excessive ambient light condition. To correct this situation, move pump away from bright light condition.

## Flow Error (FLo Err)

A. The feeding container is empty.

To correct this situation, if more feeding is required, refill the container with the desired amount of formula and follow the steps in the Operating Procedures of this manual.

- B. The feeding container, the feeding set tubing, or the feeding tube itself has become occluded beyond the pump's capability to pump. Alarm will activate at approximately 12 psi (82.7 kPa).
  - To correct this condition, determine where in the system the occlusion has occurred. Correct occlusion condition. Press START/HOLD switch. Continue with feeding.
- C. The drop sensors are blocked and will not be able to detect drops as they come through the drip chamber.
  - To correct this condition, check drop sensors on inside of upper drip chamber guide and clean off any material that may be blocking sensors.
- D. Tubing is pinched or kinked.

## Low Battery (Lo bAt)

This alarm is activated when the battery begins to run down and flow rate accuracy can no longer be maintained.

To correct this condition, plug the pump into an AC wall outlet. When the pump is connected to a wall outlet, it will continue to operate and charge the battery at the same time. Once the low battery alarm has sounded, it will take approximately 12 hours to fully recharge.

#### Hold Error (HLd Err)

If the pump is left in the hold mode for approximately 5 minutes "HOLD ERROR" will alarm.

## System Error (SYS Err)

- A. Rotor is not turning while pump is in start mode.

  NOTE: DOTS WILL FLASH ACROSS TOP OF LED DISPLAY WHILE PUMP IS RUNNING.
- B. Rotor is turning, but is not detected by rotor sensors.Do not try to repair pump. Return pump for technical service.

NOTE: FOR ALL ALARM CONDITIONS, PRESSING THE START/HOLD BUTTON WILL SILENCE THE AUDIBLE ALARM. THE VISIBLE DISPLAY WILL CONTINUE TO FLASH UNTIL THE START/HOLD BUTTON IS PRESSED AGAIN.

#### VTBD Delivered (Vtbd dEL)

Preset VTBD has been delivered to patient.

When preset VTBD has been delivered, perform one of the following:

- Repeat the VTBD amount by pressing START/HOLD after clearing the alarm.
- Cancel the VTBD feature by pressing and holding VTBD for 5 seconds.
- To feed additional volume, increase VTBD amount by first pressing VTBD. Then rotate knob or press until
  new VTBD is displayed.
- Turn pump off.

NOTE: FOR ALL ALARM CONDITIONS, PRESSING THE START/HOLD BUTTON WILL SILENCE THE AUDIBLE ALARM. THE VISIBLE DISPLAY WILL CONTINUE TO FLASH UNTIL THE START/HOLD BUTTON IS PRESSED AGAIN.

The alarm volume is set using the front panel in one of two ways:

- 1. Using the "Biotech Mode" as described. (See page 10)
- 2. While the alarm is sounding, press ▲ to increase the volume, press ▼ to decrease the volume, or rotate knob. The volume is changed in steps from 1 to 10, with 1 the quietest and 10 the loudest.

#### WARNING

If alarm does not sound during system check, or when any alarm condition exists, see "No Audible Alarm" symptom in Troubleshooting guide.

## **Section IV Cleaning**

Cleaning is to be performed as required. The user will define the cleaning intervals based on their knowledge of the environment in which the pump is used. Cleaning may become necessary between intervals due to unforeseen soiling. Only personnel trained in the cleaning of medical devices shall perform cleanings.

## **Important User Information**

#### **CAUTION**

DO NOT IMMERSE PUMP OR POWER CORD IN WATER OR OTHER CLEANING SOLUTION; CLEAN USING A DAMP (NOT WET) CLOTH OR SPONGE. FAILURE TO FOLLOW THE CLEANING PROCEDURES DESCRIBED HEREIN COULD RESULT IN HAZARDS TO USERS. As with any A.C. powered electrical device, care must be taken to prevent liquid from entering the pump or the power cord receptacle to avoid electrical shock hazard, fire hazard, or damage to electrical components.

Should any of the following events occur, DO NOT USE the pump until it has been properly cleaned and serviced by personnel trained in servicing KANGAROO pumps:

- wetting of the pump's power cord or leakage into the pump interior during cleaning.
- spillage of large amounts of formula onto the pump exterior or any spillage on the power cord.

## **General Cleaning Directions**

Cleaning of KANGAROO 924 pumps must be performed as follows:

**CAUTION** 

Disconnect pump from A.C. power source before cleaning. Upon completion of cleaning, do not connect to A.C. power source until pump and power cord are thoroughly dry.

- A mild detergent should be used for general cleaning. If necessary, the pump may be cleaned with a 10:1 water and hypochlorite mixture, however, repeated cleaning with this solution can damage the plastic pump case. Isopropyl alcohol applied with a damp (not wet) cotton swab may be used for cleaning difficult-to-reach areas, such as the drop sensor and inside the A.C. receptacle, however, it should be used sparingly because repeat cleaning may damage the case.
- DO NOT USE strong cleaners such as Spray-Nine™\*, Phisohex™\*, Hibiclens™\*, or Vesta-Syde™\* because damage to the pump case housing can result.

## **Directions For Cleaning Pump Housing**

- Refer to General Cleaning Directions before starting.
- Clean outside surface with a damp (not wet) cloth or sponge and keep pump in upright position as much as possible.
- Avoid excess moisture near handle hinges.
- Avoid excess moisture near pole clamp area.

## **Directions For Cleaning Pump Power Cord**

- Refer to General Cleaning Directions before starting.
- Unless soiling is observed, the power cord should not be cleaned.
- If cleaning of the power cord is necessary, wipe the exterior surfaces of the wall plug of the power cord with a cloth dampened with isopropyl alcohol.

CAUTION Avoid exposing power cord to excess moisture, as this can lead to an electrical shock or fire hazard.

## **Directions For Cleaning Drop Detector**

- Refer to General Cleaning Directions before starting.
- Clean the drop sensors in the upper drip chamber guide with a cotton swab dampened with isopropyl alcohol.
- Be sure sensor areas are clear.

## **Directions For Cleaning OPTIX Lock**

- · Refer to General Cleaning Directions before starting.
- Clean lens in the OPTIX lock area with a cotton swab dampened with isopropyl alcohol.
- Be sure sensor areas of the lens are clear.
- Avoid using abrasive cleaners to prevent scratching/damaging the lens.

## **Directions For Cleaning Rotor Assembly**

- Refer to General Cleaning Directions before starting.
- Loosen rotor set screw with a 5/64" (2MM) allen wrench and gently pull rotor forward off shaft. After removing rotor, avoid getting any moisture in the rotor shaft opening.
- Clean rollers thoroughly with warm soapy water, or isopropyl alcohol if necessary.
- Be sure all parts of rotor are completely dry before putting it back onto shaft.
- To replace rotor, align set screw on hub of rotor with the flattened section of the output shaft.
- Push rotor into place and tighten set screw (Do not over tighten).

## **Preventive Maintenance**

This pump must be periodically serviced to assure proper functioning and safety. The recommended service interval is six (6) months, but in no case less than once each twelve (12) months per JCAHO. Servicing must be performed by personnel trained in servicing KANGAROO pumps and may be done at the user's biomedical engineering department, an outside service, or by Tyco Healthcare Group LP Factory Service. To arrange for Tyco Healthcare Group LP Factory Service, call 1-800-448-0190 in the US or contact your local customer service center.

The KANGAROO 924 pump contains no user serviceable parts. User maintenance consists of cleaning the exterior of the pump as stated in the cleaning section of this manual. All other maintenance is to be performed by the user's appropriately qualified technical personnel.

# **Section V** Troubleshooting Guide

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

## Flow Error Alarm (FLo Err)

## Feeding container is empty.

Refill feeding container. If bag has been in use for 24 hours, replace

## Feeding tube or feeding set tubing is occluded.

- Locate point of occlusion and correct. Note: occlusion may occur upstream or downstream from pump.
  - Feeding Container
  - Feeding Pump Set (control clamp closed)
  - Feeding Tube patency of feeding tube should be checked.

#### Drip chamber is improperly placed in pump.

Check to make sure drip chamber is properly "locked" in position in drip chamber guide.

#### Drip chamber walls are coated with feeding formula.

Check to make sure formula is not preventing detectors from proper operation. If formula cannot be removed from inside
walls of chamber via chamber manipulation, replace set.

#### Sensors in upper drip chamber guide are blocked.

 Check to make sure detectors are free of dried formula. Remove any deposits by using a cotton swab dampened with warm soapy water.

## 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 START/HOLD to silence alarm, then press START/HOLD again to clear the visual alarm message.
 Press START/HOLD again to restart.

## Load Set (LoAd SEt)

## Pump set has been improperly placed onto pump.

Check to make sure only KANGAROO 924 Pump Set has been placed onto the pump. Check to make sure OPTIX connector
on pump set has been properly positioned into the OPTIX lock on pump.

## **High Ambient Light Condition**

 If dots appear with the LoAd SEt message on the display, this indicates a high ambient light condition. Remove from bright light area until error condition clears.

# Feeding solution or other foreign substances have accumulated in the OPTIX lock and blocked or obscurred the optical set detection mechanism.

 Follow the instructions in Section IV: Cleaning under "Directions for Cleaning OPTIX Lock" to remove the material blocking proper detection of the feeding set.

## System Error Alarm (SYS Err)

## Rotor is not turning while pump is running.

Return pump for technical service.

#### Rotor is turning but is not detected by rotor sensors.

Return pump for technical service.

## VTBD Delivered Alarm (Vtbd dEL)

Preset VTBD has been delivered to patient.

## **No Audible Alarm**

## Battery is fully discharged.

Charge battery for a minimum of 12 hours.

#### Alarm circuitry failure.

Return pump for technical service.

The KANGAROO 924 Feeding Pump is designed to minimize the effects of uncontrolled electromagnetic interference and other types of interference. When using the KANGAROO 924 Feeding Pump, avoid the use of equipment that causes erratic operation or degradation in performance.

## **Biotech Mode**

To enter Biotech mode:

- 1. Turn pump off.
- 2. Press and hold the **ON** key for 6-7 seconds.
- 3. Pump alternately displays: **biotECH** for 5 seconds. Pump then displays **SEt LAng** for 5 seconds. To select the language press ▲ or ▼ buttons or rotate knob to cycle through the list. When the desired language is displayed, press the **ON** key to set.
- Pump now displays: **bEEP LVL** and (volume of speaker)
   Select desired volume (1 to 10) by rotating knob or pressing ▲ or ▼ buttons.
- 5. Pump returns to **HOLD** mode.

NOTE: Pressing the On key will set the value displayed and continue to the next item in the sequence. This will also happen automatically by waiting 5 seconds.

NOTE: Changes are saved permanently.

## **Section VI** Factory Service

A. In the event that it is necessary to return a unit for repair, please observe the following:

1. Call Customer Service for Authorized Return Number and shipping instructions:

In the US: 1-800-448-0190 or (315) 788-5246

In Canada: 1-877-664-TYCO(8926)

Outside the US and Canada:

UK Service Center: 00-44-(0)-2827-661719
UK Customer Care: 00-44-(0)-1329-224226
2. Pack the instrument carefully and ship to:

United StatesCanadaOutside the US & CanadaTyco Healthcare Group LPTyco/Healthcare CanadaTyco Healthcare Group LP98.6 Faichney Drive7300 Trans Canada Highway20 Garryduff Road

Watertown, NY 13601 Pointe-Claire, Qc Ballymoney, BT53 7AP, Northern Ireland

**H9R 5H8** 

B. To place an order for repair or if technical assistance is required, call customer service.

Technical information will be made available on request to allow the users appropriately qualified technical personnel to repair the parts of the equipment designated by the manufacturer as repairable. Refer to the KANGAROO 924 Pump service manual for more service information.

The KANGAROO 924 Enteral Feeding Pump contains no user serviceable parts. User maintenance consists only of cleaning the exterior of the pump as stated in the cleaning section of this manual. All other maintenance is to be performed only by the user's appropriately qualified technical person.

# **Section VII Specifications**



## **Type Infusion Device**

Volumetric

## **Pumping Mechanism**

**Rotary Peristaltic** 

## **Pump Set Required**

Tyco Healthcare Group LP KANGAROO 924 Feeding Pump Administration Sets

## **Operating Range**

Rate: 1-300 ml/hr in 1 ml/hr increments Dose: 1-2000 ml in 1 ml increments

Volume Delivered: 1-9999 ml (rollover is accounted for)

#### Accuracy

10% or 0.5 mL/hr, whichever is larger, with top of the fluid column at 71.12 cm (28")  $\pm$  0.76 cm (0.3") above the top of the pump, at a room temperature of 22 °C  $\pm$  2 °C (72 °F  $\pm$  3 °F), using a new 924 feeding set for no longer than the recommended 24 hours of maximum usage. Confidence limits for accuracy are based upon those included in the ANSI/AAMI ID26-1992 American National Standard for Infusion Devices. Reported accuracy is based upon the time-based accuracy calculation in this standard, as applicable for enteral feeding.

#### **Occlusion Pressure**

12psi (82.7 kPa) Nominal

#### **Alarms**

Flow Error
 Hold Error
 System Error
 Low Battery
 Load Set
 VTBD Delivered

## Memory of Settings When Pump is Off

16 hours for battery, 24 hours for AC

#### **Battery**

- Rechargeable NiMH
- Automatically charges when pump is plugged into wall outlet. Recharge time for fully discharged battery is approximately 12 hours.
- A new battery, when fully charged, will operate for approximately 16 hours at 125 milliliters per hour.

#### **Dimensions**

Approximately 7-1/4" High x 5-1/2" Wide x 4-1/4" Deep

## Weight

Approximately 3.625 lbs.

#### **Case Material**

ABS/PC Plastic - FIRE RESISTANT

## **Power Requirements**

120V~, 60 Hz, 1 Amp (North America) 240V~, 50Hz, 0.5 Amp (UK / Australia)

If the integrity of the protective earth conductor arrangement is in doubt, operate unit from its internal electrical power source.

## **Ambient Operating Conditions**

10° to 40°C (50° to 105°F)

## Transport and Storage (not to exceed 30 days)

0° to 50°C (32° to 122°F) 10-95% RH, non condensing

In the event that the environmental conditions for transport and storage are exceeded, return the unit for factory service. In the event that the specified storage time limit is exceeded, within the environmental limits specified, perform the performance tests prior to use. Refer to the KANGAROO 924 service manual for servicing information.

## **Type of Protection Against Electric Shock**

Class I (North America, UK and Australia)

## **Degree of Protection Against Electric Shock**

Type BF

## **Mode of Operation**

Continuous

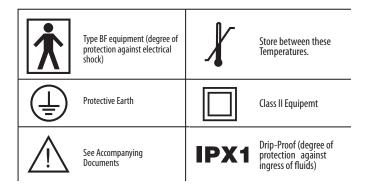
## **Degree of Protection Against Ingress of Fluids**

Drip-Proof IPX1 Per IEC 529

## Degree of Protection Against Ingress of Flammable Anaesthetic Mixtures

Not suitable for use in the presence of a flammable anaesthetic mixture with air or with oxygen or nitrous oxide

## **Symbols**



# **Section VIII Warranty**

Tyco Healthcare Group LP (hereinafter referred to as T.H.G.L.P.) warrants that each KANGAROO 924 Feeding Pump will be free from defects in materials and workmanship under normal use and service for a period of sixty (60) days from the date of delivery by T.H.G.L.P. to the first purchaser. If any such defect occurs during the warranty period, the aforesaid purchaser should communicate directly with T.H.G.L.P. If returned to T.H.G.L.P., T.H.G.L.P. will arrange for repairs or replacement within the terms of the warranty. The defective pump should be promptly returned properly packaged, postage prepaid. Loss or damage in return shipment to T.H.G.L.P. shall be at Purchaser's risk.

This warranty shall not apply to, and T.H.G.L.P. shall not be responsible for, any loss arising in connection with the purchase or use of any such pump which has been repaired by anyone other than an authorized T.H.G.L.P. representative or altered in any way so as, in T.H.G.L.P.'s judgement, to affect its stability or reliability or which has been subject to misuse, negligence or accident, or which has had the serial or lot number altered, defaced or removed, or which has been used otherwise than in accordance with the instructions furnished by T.H.G.L.P. T.H.G.L.P. neither assumes nor authorizes any representative or other person to assume for it any other liability in connection with the sale of such pumps.

T.H.G.L.P. DISCLAIMS ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OF APPLICATION OTHER THAN THOSE EXPRESSLY SET FORTH IN THE APPROPRIATE PRODUCT LABELING OR USER INFORMATION MANUAL. IN NO EVENT WILL T.H.G.L.P. BE LIABLE FOR ANY INCIDENTAL, INDIRECT OR CONSEQUENTIAL DAMAGES IN CONNECTION WITH THE PURCHASE OR USE OF ITS PRODUCTS.

Status: Review Routing On: CR10000186 Doc#: AW10001678

JOB NO	14761
ARTWORK NO.	
PACKAGE TYPE	DOM CD manua
SIZE	8.5" X 11'
PRINTED	1 SIDE
INK COLOR	Black
BAR CODE INK COLOR	N/A