

GAYMAR®

Paradise® Pump Series Operator's Manual



 **Important**

Before using the Paradise Pump Alternating Pressure Relief Systems, please read and understand this manual and all safety precautions prior to each application.


If you have purchased a Paradise Pump through a local dealer and you have questions or are experiencing problems, please contact that local dealer for assistance. For additional assistance, contact our Customer Service department at:


Gaymar Industries, Inc.
10 Centre Drive
Orchard Park, NY 14127-2295
USA
Telephone: 1 800 828-7341
(716) 662-2551
Fax: 1 800 993-7890
(716) 662-0748


Warranty


The Paradise Pump System is warranted free of defects in material and workmanship for a period of one (1) year. A copy of the warranty is available upon request. Gaymar disclaims all implied warranties including, but not limited to, the implied warranties of merchantability and of fitness for a particular purpose.


Symbols


 Attention, consult accompanying documents

 Class II, double insulated equipment

 Type BF equipment

 Dangerous voltage

 Protective earth ground

 Latex Free

1.0 Contraindications

Air support treatment is not recommended when spinal stability is a concern.


2.0 Indications for Use

This device is intended to assist in treating and preventing pressure ulcers.

2.1 Safety Precautions

When using electrical products, especially when children are present, basic precautions should always be followed, including the following:

DANGER

 Electric Shock Hazard. Do not remove pump cover. No user serviceable parts inside.

To reduce the risk of electrocution:

- **Do not** place pump where it can fall or be pulled into a tub or sink containing water or other liquids.
- **Do not** reach for a pump that has fallen into water. Unplug immediately.

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WARNING

To reduce the risk of burns, electrocution, fire, or personal injury:

- **Never** operate this pump if it has a damaged cord or plug, if it is not working properly, if it has been dropped or damaged, or dropped into water. Return the pump to your Dealer for examination.
- Keep the cord away from heated surfaces.
- **Do not** place pump in bed, in contact with the patient, or under sheets or other coverings.

Deflate pad/mattress before CPR or CPR will be ineffective.

CAUTION

- Some medical conditions may not respond to treatment of this type. Patient's skin condition should be inspected regularly. **Consult physician if any redness or skin breakdown occurs.**
- Keep bedding dry. Use incontinence pads if necessary. **Failure to keep the patient's skin clean and dry may lead to maceration.**
- For grounding reliability, plug only into a properly grounded outlet.
- Make certain all mattress straps are secured to the bed frame to prevent mattress from sliding and causing patient injury.
- Use minimal layers of sheeting and incontinence pads. Too many layers between the patient's skin and the support surface will reduce the effectiveness of the system.
- Do not pull linens tightly over mattress. Tight sheets can cause "hammocking" and reduce effectiveness of treatment.
- Portable and RF communications equipment can affect medical electrical equipment.

3.0 Description

Gaymar Paradise Pump Alternating Pressure Relief Systems are designed for the prevention and treatment of pressure ulcers. A system consists of a Paradise Pump air control unit (pump) and an alternating pressure air overlay or alternating pressure mattress. Compatible Gaymar overlays and mattresses contain two sets of air cells that are alternately inflated and deflated once every 5 to 6 minutes. To minimize movement, inflation of one set of air cells begins before the alternate set is fully deflated.

The Gaymar Paradise Pump™ is available with friction connectors. Pump model number PAR30 F has friction connectors and is designed for use with Gaymar Alternating Pressure Overlay model numbers PAR01, PAR02, PAR03, E301, EFF301, EFF302 and P500.

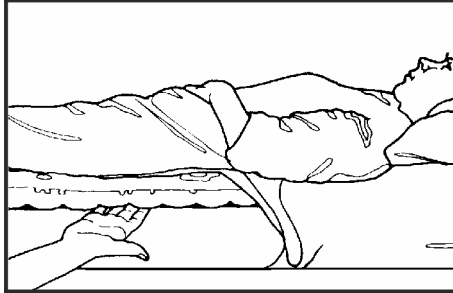
4.0 Setting Up the Paradise Pump System

4.1 Setup with Overlays PAR01, PAR02, PAR03, E301, EFF301, EFF302 and P500:

1. Place pump on flat surface or suspend pump on end of bed using attached hooks.
2. Position overlay on existing mattress, smooth and flat, with hose connections at the foot end of the bed.
3. Connect the hose assembly between the overlay and the pump.
4. Plug the power cord into a properly grounded outlet.
5. Adjust pressure control knob to highest setting for quick inflation and turn pump on using green on/off switch.
6. When applicable, tuck end flaps of overlay under mattress.
7. Wait approximately 10 minutes for overlay to inflate.
8. Apply sheet loosely over the top of the overlay. Linens should be loose to prevent "hammocking".
9. Position patient on overlay. Adjust pressure control knob for patient comfort.

10. Perform Hand Check.

A Hand Check must be performed every 8 hours to verify proper operation. To perform the Hand Check: With the patient on his or her back, slide hand, flat and palm up, between the overlay and the mattress. Hand should be directly under the air cell that is under the patient's buttocks (or other bony area).



Wait for full inflation of the air cell directly above hand. If the patient's body is not in direct contact with hand, the system is operating correctly.

If during full inflation of air cell, the patient's body is in direct contact with flat hand, the system is not operating properly. Adjust the pressure control to a higher setting. Wait 10 minutes and repeat the Hand Check. If the Hand Check fails, check that the hoses are not kinked or pinched. If repeated Hand Check fails and hoses are not kinked, contact Dealer or Gaymar for further instruction.

5.0 CPR (Cardio Pulmonary Resuscitation)

WARNING

Deflate the overlay or mattress before CPR or CPR will be ineffective.

To deflate overlay or mattress for CPR:

1. Disconnect the hoses from the pump. The overlay or mattress will deflate in approximately 20 seconds.
2. Proceed with CPR procedures.

6.0 System Cleaning, Care and Storage

6.1 Cleaning

WARNING

Disconnect the power cord from the outlet before attempting to clean the pump.
Do not heat or steam autoclave any component of the system.

1. To clean, use soap, water and a clean cloth to wipe down the pump, power cord, hoses and overlay or mattress. Do not use abrasive cleaners, alcohol or alcohol-based solutions. Wipe dry with a clean, dry cloth. Note: Blood and other body fluids must be thoroughly cleaned from all surfaces before applying disinfectants.
2. Apply any EPA approved disinfectant to the external surfaces of the pump, hoses and overlay or mattress. Allow solution contact time according to manufacturers instructions. The contact time is what makes disinfection effective.
3. Wipe down the overlay or mattress with a clean, dry cloth to remove any excess disinfectant.

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6.2 Care and Storage

Pump

Check the power cord and plug for abrasions or excessive wear.
Coil power cord and place both cord and pump in plastic bag for storage.

Overlay, Hoses

Deflate the overlay by disconnecting hoses from pump.

Check the hoses for kinks or breaks. Replace if necessary.

Do not place sharp objects in contact with overlay. Holes in the overlay may compromise pressure relief therapy.

Heavy Duty overlays (PAR03 and P500) are furnished with a Pinhole Repair Kit (P/N 78061-000) and include instructions for pad repair. Follow instructions in kit.


Single patient use overlay should be discarded after therapy is discontinued. **Do not discard hose assembly.**

Overlay should be rolled for storage, not folded. Roll the deflated overlay starting at the head end. Coil the hose assembly loosely. Place overlay and hoses in plastic bag for storage.

7.0 Troubleshooting

Symptom:	Corrective Action
Overlay or Mattress does not inflate or is too soft.	Make certain the air hoses are not kinked, cracked, or split. Verify the hose couplings are fully engaged to pump

8.0 Technical Specifications

Catalog	PAR30 F
Input	108-126V, 60Hz, 1.0A
Overcurrent Protection	1A
Operating Temperature	60° – 90°F (16° - 32°C)
Classification	Class 1 grounded
	Type BF equipment 
	UL60601-1, CSA C22.2
	IPX0, enclosed equipment without protection against ingress of water.
	Not suitable for use in the presence of a flammable anesthetic mixture with air or with oxygen (O ₂) or nitrous oxide (N ₂ O).
	Continuous operation
Electromagnetic Compatibility	EN60601-1-2:2003 CISPR11 Classified as Class B, Group 1 ISM Equipment

Ground functionality can be checked by measuring resistance between the function earth screw (accessed through small hole on back of unit adjacent to the ground symbol) and the grounding pin on the line cord attachment plug. The value shall be less than 5 ohms.

Functional test requirements are available upon request.

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