

GAYMAR®

PAR30/PAR31 Paradise Pump™



Operator's Manual



Important

Before using the Paradise Pump Alternating Pressure Relief System, please read and understand this *Operator's Manual* and the SAFETY PRECAUTIONS prior to use.

If you have purchased the 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 and Hose Assembly is warranted free of defects in material and workmanship for a period of one (1) year. The PAR01 and PAR02 Paradise Pads are warranted free of defects in material and workmanship for a period of thirty (30) days. The PAR03 Paradise Pad is warranted free of defects in material and workmanship for a period of ninety (90) days. A copy of these warranties are 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



Functional earth ground

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1.0 Contraindications

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

2.0 Indications for Use

This device is intended to treat and prevent decubitus ulcers (bed sores).

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.

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.

2.1 Safety Precautions (continued)

▲ CAUTION

- US Federal law restricts this device to sale by or on the order of a physician.
- Some medical conditions may not respond to this type of therapy. Patient's skin condition should be inspected regularly.
- **If redness or breaks in skin occur, consult a physician.**
- Keep bedding dry. Use incontinence pads if necessary.
- **Failure to keep the patient's skin clean and dry may lead to maceration.**

3.0 Product Description

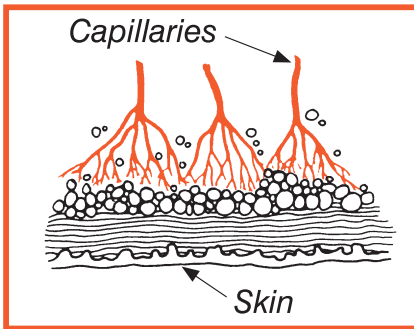
Gaymar Paradise Pump Alternating Pressure Relief Systems are designed for the prevention and treatment of bed sores. Pressure relief is obtained by alternating the patient support areas of the Gaymar pads; capillary blood flow is restored and damaging tissue pressures are avoided. Gaymar Paradise Pads™ contain two sets of air cells which are alternately inflated and deflated once every five minutes. To minimize movement, inflation of one set of cells begins before the alternate set is fully deflated.

The Gaymar Paradise Pump™ is designed to be used only with Gaymar Paradise Alternating Pressure Pads or Gaymar Pillo Pad® Alternating Pressure Pads. Compatible pad model numbers are; PAR01, PAR02, PAR03, E301, EFF301, EFF302, and P500.

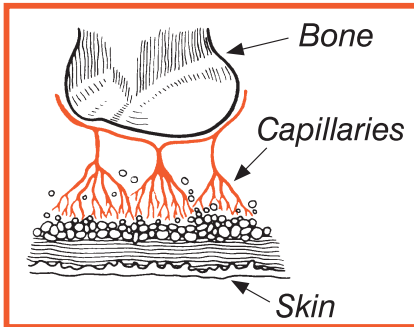
When using Gaymar Paradise Pads, the pad must be connected to the Paradise Pump using the hose assembly (P/N 11374-000) included with the pump.

When using Gaymar Pillo Pads, connect the hoses from the pad directly to the Paradise Pump.

4.0 Why Your Skin Needs Special Attention

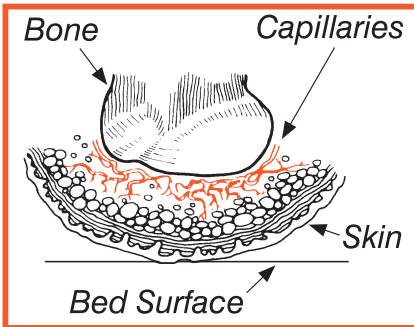


Normally, the skin is kept healthy by blood which is supplied through tiny blood vessels called capillaries



In some places, large bones lie close to the skin especially at the shoulder blades, elbows, heels, hips, and buttocks.

Capillaries not under pressure



When a person is lying down, the skin gets squeezed between the bones and bed surface. This cuts off the blood supply to that area of skin. Then there is risk of bedsores, which are also known as pressure sores or decubitus ulcers.

Capillaries under pressure

5.0 Instructions for Use

1. Remove the Paradise Pad, Hose Assembly and Paradise Pump from carton.
2. Unroll the pad. With hose outlets positioned at the foot end of the bed, place the Paradise Pad on top of the mattress. See figure 1.

Some Gaymar Pads have end flaps. Do not tuck end flaps under the mattress until the pad is fully inflated in step 6.

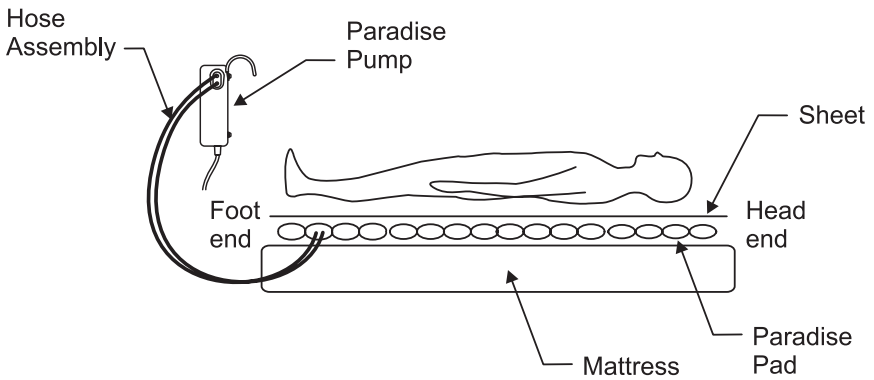


Figure 1—Paradise Pump System

5.0 Instructions for Use (continued)

3. Connect hose assembly to pump and pad. The hose ends with fittings connect to the pad. Place the pump on a bedside cabinet or hang it on the foot board. See figure 2. Pump may also set on the floor.

⚠ CAUTION

Do not place the pump in the patient's bed, in contact with the patient, or under sheets or other coverings.

Hang pump from foot board in this position.

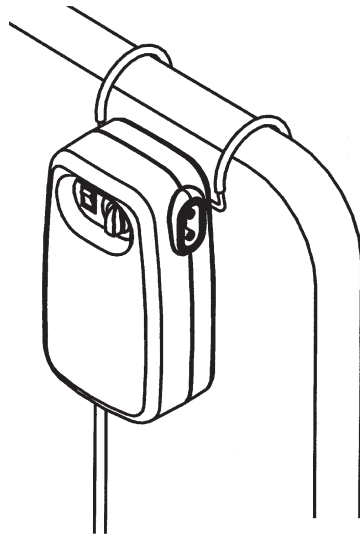


Figure 2—Use of hanging bracket

4. Pad may be inflated with patient on or off the pad.
5. Plug power cord into standard 120VAC electrical outlet. Press the pump switch to “I” position.

If the pump switch does not light, check that power is available to the outlet by plugging a working appliance into the outlet. Check that the pump switch is in the “I” position. If the pump and light still do not work, contact your dealer or Gaymar for further instruction.

5.0 Instructions for Use (continued)

- Turn the pressure control knob to the maximum setting. See figure 3. Wait approximately 30 minutes for pad to inflate. If there are end flaps, tuck them under the mattress. Place a sheet over the Paradise Pad. Make certain that the sheet is loosely fitted. Tightly fitted sheets can interfere with pressure relief.

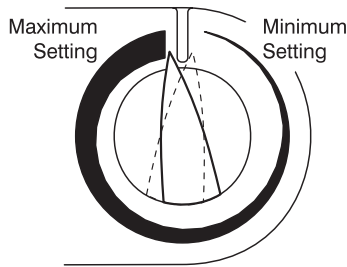


Figure 3—Pressure control knob setting

- Adjust pressure control for patient comfort and perform a **HAND CHECK**. See Step 8.
Note: The pad is most effective at higher pressure settings
- A **HAND CHECK** must be performed at least daily to verify proper operation. To perform the **HAND CHECK**:

- With patient on his or her back, slide your hand, flat and palm up, between Paradise Pad and mattress. Your hand should be directly under the pad that is under the patient's buttocks (or other boney area). See figure 4.

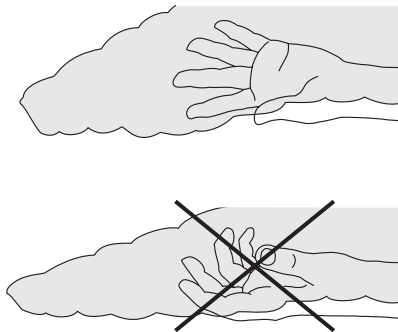


Figure 4—Place hand, flat and palm up, between pad and mattress

5.0 Instructions for Use (continued)

- b) Wait for full inflation of the air cell directly above your hand. If you cannot feel the patient's body in direct contact with your hand, the Paradise Pad System is operating correctly. See figure 5.

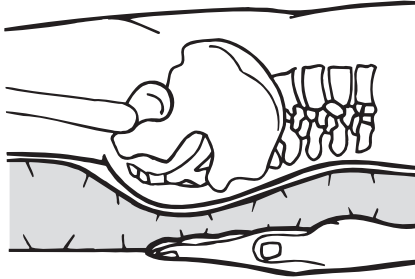


Figure 5—HAND CHECK showing **correct** inflation

- c) If, during full inflation of air cell, the patient's body is in direct contact with your flat hand, the system is not operating properly. See figure 6. Adjust the pressure control to a higher setting. Wait ten (10) minutes and repeat the HAND CHECK. If HAND CHECK fails, check that the hose assembly is not kinked or pinched. If repeated HAND CHECK fails and hoses are not kinked, contact your dealer or Gaymar for further instruction.

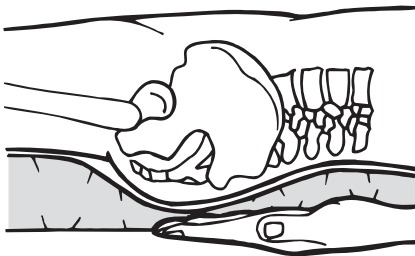


Figure 6—HAND CHECK showing **improper** inflation

5.0 Instructions for Use (Continued)

9. Repeat the HAND CHECK at least daily. If HAND CHECK fails after increasing pressure to the highest setting and after checking the hose assembly, discontinue use immediately and call your dealer or Gaymar for further instruction.
10. Examine the patient's skin condition daily. If any redness or breaks in skin appear, consult a physician. An incontinence pad, bath blanket, or draw sheet may be used on top of the Paradise Pad to provide proper therapy. Do not use foam or sheepskin on top of the pad.

CPR Deflation

Pad must be deflated before initiating CPR. Pull hose assembly off pad or pump, or cut pad with sharp object.

6.0 Cleaning, Storage, and Care

For Pump and Hose Assembly

Before cleaning, unplug the pump. Clean the pump housing and hose assembly with a mild detergent and damp cloth. Wipe dry with a clean cloth before operating. Do not submerge in water. Do not autoclave.

For Pad

Clean with a mild detergent and damp cloth. Wipe dry. It is not necessary to deflate the pad before cleaning. Do not use alcohol or alcohol-based solutions to clean pads.




Plastic material should not be exposed to high temperature. Do not allow heat lamps or heating pads to come close to pads. Do not autoclave.

When storing, pad should be rolled, not folded. Single patient use pads should be discarded after therapy is discontinued. **Do not discard hose assembly.**

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

Heavy Duty Pads (PAR03 and P500) are furnished with a Pinhole Repair Kit (P/N 77539-000) and include instructions for pad repair. Follow instructions in kit.

7.0 Technical Specifications

Item	PAR31	PAR30
Voltage	120 VAC	
Frequency	60 Hz	
Current	0.1 A	
Overcurrent Protection	1/4 A - 125 V (nonreplaceable)	
Operating Temperature	60°F to 90°F	
Storage Temperature	20°F to 140°F	
Classification	Class II, double insulated equipment 	Class II, double insulated equipment with functional earth ground. * 
	 Type BF equipment	
	IPX0, enclosed equipment without protection against ingress of water	
	Not suitable for use in the presence of a flammable anaesthetic mixture with air or with oxygen (O ₂) or nitrous oxide (N ₂ O).	
	Continuous operation	
	MEDICAL EQUIPMENT, classified with respect to electric shock, fire, and mechanical hazards only, in accordance with UL2601-1, CAN/CSA C22.2 No. 601-1	

* Ground continuity can be checked by measuring resistance between the functional 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.

GAYMAR®

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