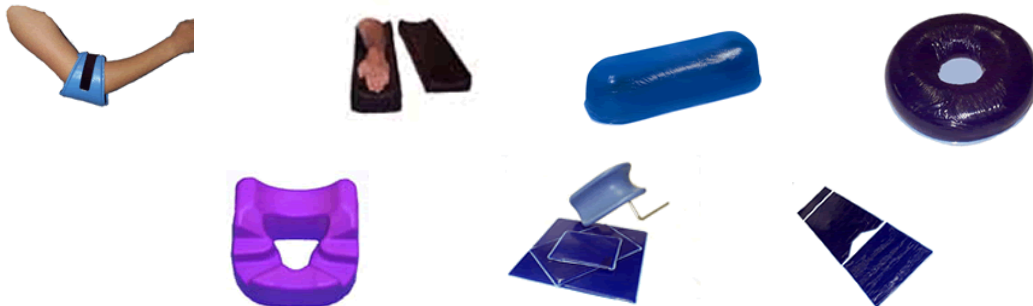




Pressure Management Gel Pads & Positioners

The Pressure Management range includes:

- Arm & Elbow Positioners
- Contoured Positioners
- Flat Bottom Positioners
- Head Positioners
- Lower Extremities
- Operating Table Surfaces
- Speciality Pads



The Pressure Management Gel Pads & Positioners were designed with the patient in mind. The viscoelastic polymer dry flotation pads are intended to help provide comfort for the patient while also offering extra guarded protection from pressure sores. During surgical procedures of any significant time (1½ hours or greater) a patient is at risk of decubitae. With the application of a Pressure Management pad the occurrence of these ulcers are greatly reduced. This is due to the unique properties of these products; it is not a liquid but a solid material that is extremely unlikely to bottom out whilst evening out patient weight distribution.

The Pressure Management range includes products suitable for arm and elbow protection, head positioning, lower extremities and operating table surfaces, plus many more. These products are sealed in a "skin" that is designed to reduce shear and friction and are reusable, X-ray translucent and latex free.

Pressure Management Gel Pads & Positioners Product Information

Pressure Management pads and positioners have been tested to be 0.0 on the primary irritation index and are considered a non-irritant according to procedures outlined in FHSA guidelines, 16 CFR, Section 1500.41.

Pressure Management pads and positioners are also considered non-cytotoxic and meet the requirements of the Elution Test, ISO 10993.

1. Suggested Heating/Cooling Techniques - Gel Pads

▪ Heating

If warming units are going to be used in conjunction with the Pressure Management Viscoelastic Polymer Pads & Positioners the following is recommended.

If possible bring the temperature of the Pressure Management product above room temperature in a blanket/warming cabinet. Place the product on top of the patient warming devices so as to receive the most benefit from the 'gel' pad. Whenever possible we strongly recommend that the Pressure Management products are not covered so as optimize the pressure reducing and sheer reduction properties.

Pressure Management products will always take on the temperature of the atmosphere it is in (room temperature).

▪ Cooling

Pressure Management products are inherently heat dissipating, if a cooling device is used the 'gel' pad will not hinder its functionality. As previously stated Pressure Management products will always take on the temperature of its surroundings which will help in aiding to cool a patient.

2. Recommended use and care

▪ Cleaning

Use of standard operating room cleaning agents is recommended. Long soaks are not recommended.

The light cloud products are resposable and lightly coated foam that should be wiped but not saturated with cleanser. If any nicks or tears occur the product should be disposed of and replaced.

▪ Sharps

Avoid using sharp instruments that may puncture the outer film. Do not drag pads and positioning devices across sharp edges.

▪ Warming

Pressure Management gel pads may be warmed in warming cabinets or by immersing in water to make the pads approach normal human body temperature.

DO NOT AUTOCLAVE or ATTEMPT TO STERILIZE the products.

Gel pads should not be exposed to high heat or flame.

▪ Storage

Store pads flat whenever possible. Do **NOT** store in cold places.

▪ Moving Patients

It is not recommended to move patients while on the pads. Moving patients while on pads may result in tearing or puncturing of pads.

▪ Protocol

A Health Care Professional should evaluate the patient pre-operatively to determine the use of gel pads or positioners.

▪ Warranty

All Pressure Management Polymer products are covered by a two year manufacturers defective replacement policy. If the pad is deemed defective due to manufacturing process it will be replaced at no cost.

3. Technical Specification – Gel Pads

Tensile Strength (psi)	20-40 psi
Elongation (%)	700-950%
Modulus at 100% Elongation	5 psi

Tear Strength, Die C (lb./in)	9 lb./in
Glass Transition Temperature (Tg1 °C)	-57.5°C
Shore Rebound	12
Bayshore Rebound (%)	8-9.5%
Shore Hardness ("000")	25-75
Compression Load (force) Deflection (psi)	
@25%	6.1 psi
@50%	38.8 psi
Compression Set % of Thickness	
@25%	0.33%
@50%	0.66%

The Pressure Management gel belongs to a class of polymers commonly known as polyurethane. It is a special type of polyurethane called viscoelastic polyurethane polymer. It is unique in that it is formulated to exhibit many of the properties found in nonelastomers as well as numerous benefits of an elastomeric gel. The Pressure Management version of the gel polymer was developed to provide superior shock attenuation and absorbency while exhibiting very high elasticity and low durometer hardness. The Pressure Management gel has elongation of up to 900%, affording unparalleled shock absorption and excellent vibration/pressure dampening properties. At the same time, users experience an extremely high degree of comfort, due to the polymer gel's low durometer hardness, which makes it soft to the touch yet still strong enough to absorb pressures of hundreds of pounds per square inch. The Pressure Management gel and skin were created and matched to simulate human fatty tissue.