



Vacuum Cushions For Radiation Therapy



PRODUCT DESCRIPTION

Klarity Vacuum Cushions are medical devices for patient positioning and immobilization in radiation therapy and other medical applications. Each cushion contains small polystyrene spheres surrounded by a durable polyurethane coated nylon fabric. An evacuation pump is used to evacuate air from the cushion, causing the spheres to mold into a tightly formed shape, conforming to a patient's body. Cushions will hold this shape securely until air is allowed back into the cushion through the connecting valve.

INSTRUCTIONS FOR USE

1. Check the expiration date and make certain the vacuum cushion is in good condition.
2. Flatten out the cushion to distribute the filling evenly.
3. Position the patient on the cushion, and connect the hose to the cushion and vacuum pump.
4. Start the vacuum pump and generate a slight vacuum, then stop the pump. Mold the cushion around the body to provide the desired positioning.
5. Restart the pump until the cushion becomes rigid, holding the body securely. This process may take 5 minutes or longer. Evacuate the bag till the negative pressure is 0.08MPa/24inHG. Keep evacuating for 5-10 minutes. (When the pressure value reaches 0.08MPa/24inHG, it will not increase. Another 5 to 10-minute evacuation is required to help make sure the evacuated bag will hold its shape for the duration of the treatment period.)
6. Disconnect the hose from the cushion and stop the pump.

Warnings:

1. Care should be taken to keep the cushion valve out of the radiation treatment path.
2. Check the molded vacuum cushions regularly. Keep away from sharp objects to avoid puncturing.
3. Normally a vacuum cushion will keep its shape for more than 60 days, but no patient treatment should be started until the patient positioning has been carefully checked.
4. Keep away from hot surfaces or heat sources that can damage the nylon cushion.

Care and Cleaning

1. Store in a clean ventilated environment.
2. Clean with mild soap and lukewarm water, or with a mild alcohol based disinfectant applied with a soft cloth. Avoid aerosol sprays, bleach, solvents or abrasive detergents.

To be used under the guidance of a
qualified medical professional.