8 rue des Frères Montgolfier
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Instructions for Use

Rev : V3
September 2025

MDROUL01G and MDTREND01G Vacuum Mattresses

Destination

- These vacuum mattresses are reserved exclusively for positioning patients on operating tables with a width of 48 to 53 cm, incorporating accessory rails
- They have been specially designed to ensure optimal and safe support for patients during extreme table inclinations. The shape of the microbeads frozen by the vacuum maximizes the retention surface to best distribute the compressions
- This device is intended for users trained in patient positioning and the risk of pressure ulcers

Restrictions of use

- Do not wash in a washing and disinfecting booth
- Never use abrasive cleaners or scraper sponges
- Ensure that the patient is not allergic to polyurethane
- Do not use on a heated mattress
- Do not attach sticky strips

Special precautions

- Ensure that no chemical agent residue persists on patient contact surfaces (always rinse after decontamination)
- Any trace of moisture between this mattress and the table will impair the grip, so it is essential that the surfaces are perfectly dry
- Do not use if the straps are degraded
- Be careful never to allow fluids to accumulate under the patient to prevent irritation and maceration. In particular, products for field asepsis with an alcoholic base with a risk of inflammation
- Do not use on hinged sections of the OP table, or ensure that they will not be operated
- Test the stiffness of the mattress every half hour to detect a possible leak (if depressurization by manual pump)
- The use of this product is not a substitute for the monitoring necessary to prevent pressure ulcers. Pressure ulcer prevention requires identifying risk factors and planning position changes every 2 to 3 hours, or even more frequently.
- Prolonged use of alcohol or nail polish remover may impair the elasticity of the coating and alter its waterproofness and/or cause shrinkage
- Make sure that no liquid enters the hose and valve intended for the vacuum connection

Washing, disinfection and maintenance

- These vacuum mattresses can be cleaned by wiping with a soft cloth dampened with water containing a neutral detergent or with a ready-to-use solution (e.g. ANIOS Surfa'safe, ALFAKARM Septalkan, HUCKERT'S Laboratory Umonium 38 Medical Spray...) or soaked wipes (e.g. ANIOS Oxy Wipes; Wip'ANIOS Excel; HUCKERT'S Umonium 38 Medical Tissues Laboratory ...)
- In general, surface disinfectants containing a set of active ingredients such as aldehyde, quaternary compounds, guanidine derivatives and active oxygen, have proven their effectiveness. But always choose those formulated specifically for equipment, less film-forming and aggressive
- In situ cleaning and disinfection can also be carried out on the coating with hot water by hand and a neutral detergent or with a sodium hypochlorite solution (0.1% or 1000 parts per million of available chlorine)

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- Products such as Ercesolvent©, Remove©, GILBERT non-stick,© etc. used to remove adhesive residues (Elastoplast©, sticky drapes), should be thoroughly rinsed and dried immediately after use. Failure to do so may result in the buildup of reagent damaging the polyurethane coating. All products based on acetone, ether and other volatile solvents must be used with the same precautions
- It is essential that items dry thoroughly after cleaning. Thus, the vacuum mattress should never be covered with drapes, gels, heated mattress toppers, or put back into service before it has completely dried
- It is strongly recommended to clean the surface of the vacuum mattress between two patients, but also the underside several times a day and systematically after a septic procedure
- To look for a leak it is possible to inflate the mattress with a manual pump, very delicately under penalty of degrading the sieve holding the beads, do not use compressed air! Depending on the size and position of the hole, it will be possible to apply a patch
- In the event of a hole allowing beads to escape, seal the hole with an adhesive and return the mattress to us for a possible repair and readjustment of the volume of beads.

Features

- Polyamide fabric cover coated with thermoplastic polyurethane
- Integrated 0.99gr/cm3 10mm gel surface
- Vacuum connection valve or pump via Ø6.35mm inner hose
- Three pairs of integrated Velcro straps® for attachment to rails
- Dimensions: 75x150 (rectangular) or 100x120cm (65cm wide head side)

Use

- Ensure that the operating table mattress is in good condition, perfectly dry and that it is optimally secured.
- Ensure that no protruding parts and/or accessories of the table can come into contact with the vacuum mattress.
- Place the vacuum mattress on the table, matte side underneath, gel on top, valve open (clipped and not connected to the vacuum).
- Distribute the beads evenly by patting the surface and make sure that the gel does not form any wrinkles.
- Attach at least two straps to the rail on each side. Depending on the type of table and the configuration of the rail(s), it is not possible to attach all the straps. Nevertheless, a clearance (L and R) must be firmly gripped and in contact with the spacers downstream of the inclination to avoid any risk of slipping. Hang the straps only on the main parts of the table and not on the extensions (headrest, leg holder).
- If it should cover an articulated area, do not use it (seat/back block) during use.
- Install the patient so that the end of the mattress protrudes slightly from the top of the patient's head.
- Partially vacuum with a hand pump or the suction circuit until the mattress is structurable. If it is too rigid to the point that it cannot give it the desired shape, let in some air by clipping the valve.
- Raise all sides by pushing them against the patient, ensuring the perfect structuring of the areas that will exercise his restraint.
- Vacuum until the mattress is completely stiffened. If you do this through the vacuum circuit, leave it connected and do not unclip the valve, which will compensate for any leaks. With a manual pump, you have to unclip and regularly check the maintenance of the rigidity.
- Test by tilting the table in the desired position before fielding. For gradients involving roll, make sure that the legs are supported by straps. Ensure that the patient is properly supported and that the contact areas do not form a compression point.

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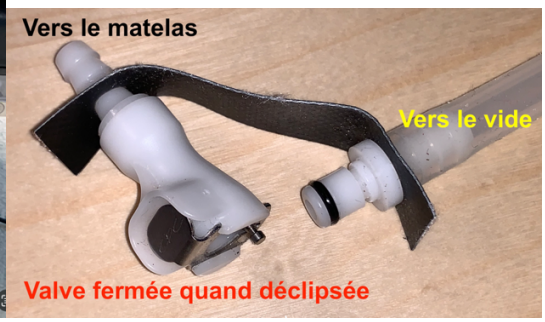
Feet Head



Sprains hold back the mattress



Valve closed when eclipsed

Special conditions of storage and use

• Store flat, valve clipped (in atmospheric pressure) with a maximum of one fold or in roll and do not place anything on it

Min temperature	Storage : -15 °	Use : + 15°
Max temperature	Storage : + 45 °	Use : +25°
Hygrometry (%HR) min	Storage : 30%	Use : 30%
Hygrometry (%HR) max	Storage : 70%	Use : 70%

Spare parts

Valve

End of life

At the end of its life, the cushion must be cleaned and disinfected normally, then placed in the system intended for the disposal of run-of-the-mill waste

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Normative references

Manufacturer: @bloc

Complies with European regulations

CE Class 1 Medical Device

Any serious incident that occurs in connection with one of our cushions must be notified to @bloc and the ANSM in accordance with the regulations in force.

For any further information, please contact us.

CE

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CH REP

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1343 Les Charbonnières - Switzerland
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