

INSTRUCTIONS FOR USE

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Tube Master

Anti-bedsore alternating pressure mattress of tubular structure

VCM502D

VITEA[®]
CARE
Premium.



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PLEASE READ CAREFULLY BEFORE USING WHOLE OF INSTRUCTIONS

1. Introduction

Tubular variable pressure mattress with 18 cells placed in lines, equipped with a cover. Made of nylon which enable fast and easy cleaning. Smooth manual pressure regulation adjusted individually to patient's weight.

2. Description of product



Illustration 1.

1. The air chamber
2. Mattress belt
3. Pump

Elements that should be inside the packaging:



Illustration 2. Pump



Illustration 3. Connecting element.



Illustration 4. Cover



Illustration 5. Mattress



Illustration 6. Spare air chamber

3. Indications

Prevention and support of treatment of stage I and II bedsores. Due to its tubular structure, the mattress ensures an appropriate arrangement of body weight and correct ventilation (oxygenation and moisture diversion). The air insulation provides an optimal temperature and comfort of use. All of the above-mentioned factors play crucial role for bed sore prophylaxis and treatment. The variable pressure mattresses do not eliminate all causes of bedsores but due to changing position of body support points, they reduce the risk of bedsores formation and development.



4. Contraindications

In case of adverse skin changes you should immediately consult a physician or medical personnel.

5. Operation

- After unpacking, check if it contains all parts in accordance with the list of elements set out above.
- Ensure that all components have no visible damage. If any doubts, please contact the manufacturer.
- The mattress should be placed on the bed in such a way that the pump is located on the side with a patient's feet.
- Then hang the pump with its hooks on the bed railings.
- Connect the wires into the mattress to the pump via a connecting part.
- To do this, press indicated in illustration 7 for a place to disconnect the connecting element into the position shown in Illustration 8.

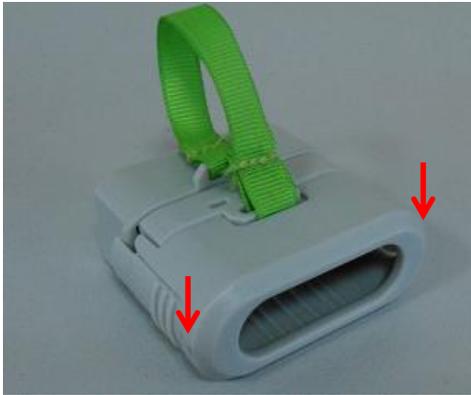


Illustration 7.

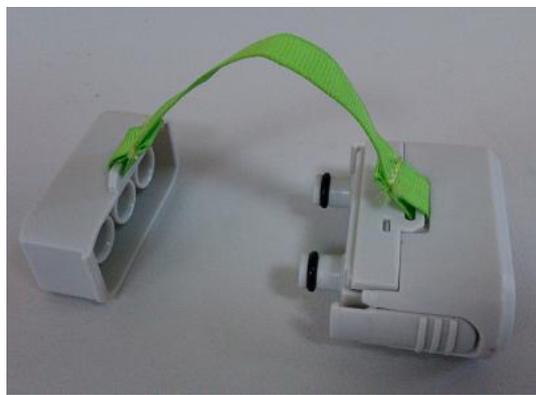


Illustration 8.

- Connecting element into pump jack should be fixed (Illustration 10).
- Then connect the mattress wires into the connecting element by pressing them to the tabs inside. (Illustration 11., 12.)

Socketed



Illustration 9.



Illustration 10.



Illustration 11.



Illustration 12.

- Plug the power cord into a power outlet.
- Start the pump by using green button. Position 1 (on) - the pump is switched on. Position 0 (off) - pump is switched off.
- Using the knob, set the maximum level of mattress inflation. The indicator should be set in a range of 130-150 kgs.(kgs designation corresponds to the unit kg – kilogram).



Illustration 13.

Knob with indicator

Switch on / switch off

Static work button

Low pressure warning light

Lamp normal pressure light

- After 20-30 minutes, when the mattress is already inflated, place mattress lapels under the mattress of your bed.
- Then place the cover included in the pockege of the antibedsore mattress using nep and velcro (Illustration 15).



Illustration 14.

Mattress lapels



Illustration 15.

- Sheet should be placed on the cover.
- Now the patient can lay on the mattress. The patient should be placed always on mattress fully inflated, otherwise the pump may fully inflate it afterwards.

- Then, the knob should be set range of the patient's weight.
- If, the green light shows up, that means, normal pressure parameters of the pump are properly chosen.
- Red light on for more than 10 minutes indicates patient's weight chosen improperly.
- In this situation, turn off the pump, deflate the mattress and remove the patient from the mattress. Turn on the pump, use the knob set the maximum range of the mattress inflation. The indicator should be set in a field of 130-150 kgs.
- After 20-30 minutes, when the mattress is inflated, the patient may be placed on the mattress.
- Then, by using knob, set the range of the patient's weight in the range one higher than the previous set when the patient was lying on a mattress.



6. Safety of use

WARNING!

- Before using the mattress, refer to this manual and keep it for future reference.
- Permitted user weight 145 kg.
- Please remember that on the mattress should stay only the patient (the other people on the mattress are not allowed).
- You are not allowed to do the physiotherapy treatment or rehabilitation on inflated mattress.
- The mattress should be protected against contact with body care cosmetics it may a danger of permanent damage of the mattress.
- You mustn't use the mattress close to inflammable materials. It can lead to explosion !
- Always check if the pump is plugged into appropriate socket (220-240 V/50 Hz).
- You must not unplug the pump while it's working.
- Always make sure the pump is in a dry place, please, remember that it cannot get wet.
- Please, do not touch the pump when it is wet. Always unplug the pump from electricity when it is wet.
- Never leave working pump unattended.
- Please, pay special attention if the pump is used in the presence of children or people witch disabilities.
- The pump can be used according to its purpose only.
- Do not use it with other, unauthorized devices.
- Never use the pump with damaged or moist cable or plug. You should submit such a pump to a service point.
- The cable should be kept away from the hot surfaces.
- Never leave the pump in a place where the cable or tubes can be dangerous for people who are not familiar with the device.
- Always pull the plug not the cable while disconnecting.
- Never block the pump filter. The filter must be free from any impurities such as hair, fur etc.
- Always consult your doctor before using the mattress.
- Using the isopropyl alcohol or dissolvent may damage the pump.
- Please, make sure that the pump is completely dry before setting on.
- The mattress can be folded while storing. Before folding, check if it is completely dry which protects it against mold. The mattress should be stored in a dry place.
- Do not put the mattress close to the fire.
- Keep the mattress away from sharp objects.
- Don't put the mattress directly on springs or frame with sharp edges.
- aa) Pay attention to skin changes. If necessary, consult your doctor or nurse.

- bb) Wires can not be bent.
- cc) Never use the mattress deflated.
- dd) While moving bed, unplug the mattress.

7. Everyday use and maintenance

PHASES OF PUMP FUNCTIONING:

- 1 phase: Inflating all the cells
- 2 phase: Deflating the first section of cells
- 3 phase: Reinflating all the cells
- 4 phase: Deflating the second section of cells

PUMP STATIC WORK

- You can turn static operation
- To do this, press button “static” on the pump.
- At this point, all the chambers of the mattress will be evenly inflated.

LIFTING THE PATIENT FROM BED

- Before lifting the patient from the bed deflate the mattress.
- Mattress is equipped with a rapid deflation valve
- To deflate the air pull the handle of rapid deflation. (Illustration 16.)



← Rapid deflation handle

Illustration 16.

- This will then two valves.
- Before re-inflating mattress both of previously open valves should be closed.

SHORT-TERM CLOSURE OF THE AIR SUPPLY

- In a situation when it is necessary to transport a patient with a bed for a short distance very quickly, you can disconnect the mattress from the pump and close the air outlet.
- To do this, switch off the pump, unplug the power cord from the wall outlet.
- Remove the connecting element from pump jack and close the air outlet.
- After transporting the patient you should attach the mattress to the pump as soon as possible.
- Open the air outlet on the connecting element
- Connect the connecting element to the outlet of the pump.
- Plug the power cord into the outlet.
- Switch on the pump.

REPLACING THE AIR CHAMBER

- In a situation when one air chamber is damaged, replace it with a spare attached in the box.
- To do this, turn off the pump, unplug the cable from the wall outlet.
- Deflate the mattress, then remove the patient from the mattress.
- Unclip snaps of air chamber, which is damaged. (Illustration 17., 18.)
- Pull out the air hose from the air hose connector on both sides of the air chamber. (Illustration 19., 20.)



Illustration 17.



Illustration 18.



Illustration 19.



Illustration 20.

Air hose
connector

Air hose

- Remove damaged mattress air chamber from belts and replace it with the spare one.
- The air hose connector put in of the air hose, so as to properly adhere, as before disconnecting wires (Illustration 18) on the both side of the air chamber.
- Fasten snaps.
- Now you can use the mattress as described in Section 5.

REPLACING THE FUSE

- In the case of suspected overheated fuse, it must be replaced.
- To do this, turn off the pump, unplug the cable from the wall outlet.
- Deflate the mattress, then remove the patient from the mattress.
- Fuse is located on the rear part of the pump
- Using a Phillips screwdriver, unscrew the fuse screw. (Illustration 21.)
- Remove the fuse from out of screws, replace it with a new 1 A. (Illustration 22., 23.)

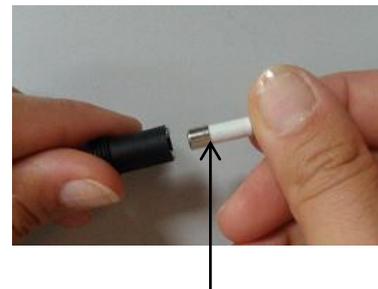


Illustration 21.

Fuse screw

- Put the fuse screw with a new fuse in the cover and tighten with a Phillips screwdriver.
- Now you can use a mattress as described in section 5.

Illustration 22.

Illustration 23.

Fuse

PROBLEM SOLVING

- Do not try to repair the pump, do not open it as it can lead to electric shock!
- The knob is in "ON" position but the pump does not work.
 - Please, check if the cable is plugged to electric supply and to the pump. If not, you should plug it.
 - Please, check if the fuse has overheated. If so, you should replace the fuse.
 - Please, check if there is a voltage in the electric circuit. If there is not, find the cause of such situation.
 - Please, check if the cable is not damaged. If so, you should change the cable.
- The pump works too slowly or the pressure is too low.
 - Please, check if the pressure regulator is set on an appropriate pressure. If not, please, regulate it.
 - Please, check if the pipes are correctly connected to the air outlet. If not, press them in such a way which prevents the air from escaping.
 - Please, check if the pipes are not folded or pressed. If so, please, unbend them.
 - Please, check if the cells are not damaged. If so, please, repair it using the reparation kit.
 - Please, check if the pump works correctly – if you can hear some strange sounds like hissing etc., you should submit it to the reparation.

CARE AND MAINTENANCE

- Disconnect the pump from electricity. Clean all the surfaces with a moist cloth. Before switching on it has to be dry.
- The mattress should be cleaned with water with soap. After cleaning, dry it carefully. The mattress mustn't be washed in high temperature, dried in a washing machine, bleached, chemically washed, ironed or pressed.

You must not use:

- solvents,
- toilet detergents,
- sharp brushes and hard objects,
- detergents that contain chlorine,
- corrosive detergents,
- Do not clean the exerciser with pressure or steam aggregates!

TECHNICAL REVIEW

Frequency	Object of control	Comments
Before first installation	Checking the technical condition and all the elements within the	Check if any elements have any visible mechanical damage.

	packaging.	
Once a month	Cleanliness and general condition.	In case of mechanical damage contact the producer immediately.

Repair

- In case of reparation, please contact the producer.

Customer service

- If you have any questions or need help, contact the producer.

8. Technical parametres

Permitted user weight	145 kg 
Mattress Dimensions	2000 x 900 x 115 mm
Electrical Power Supply	220 - 240 V / 50 – 60 HZ
Duty Cycle	12 min
Air output:	6-8 l/min
Pomp dimensions	270mm x 130mm x 90mm
Pressure range	25mmHg - 140mmHg
Mattres weight	4 kg
Pumpweight	1,2 kg
Number of chambers	18
Material	Nylon, PVC
Fuse	1 A
Description of the environment in which the product will be used	
temperature of storage and use	from +10°C to +40°C
The humidity for the storage and use	from 10% to 95%
Atmospheric pressure range of storage and use	860-1060 hPa
	printed on the product

9. Symbols

	Confirmation of compliance with EU standards		Protect from humidity
	Manufacturer		Protect from sunlight
	Date of production		Permitted user weight
	Read the user's manual		Use inside buildings

	Warning		The product is intended to transport by car
	Catalog number		Unique Device Identifier
	Serial number		Medical device



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