

Instructions for use

Tube Light

Anti-bedsores alternating pressure mattress of tubular structure

VCM502F

Edition EJ 08.2022

VITEA®
CARE

CE



Table of Contents

1. Introduction	3
2. Description of product	3
3. Indications	4
4. Contraindications	5
5. Operation	5
6. Safety of use	7
7. Everyday use and maintenance.....	8
8. Technical parametres	11
9. Symbols.....	11
10. Contact details	12

PLEASE READ CAREFULLY BEFORE USING WHOLE OF INSTRUCTIONS

1. Introduction

Tubular variable pressure mattress with 17 cells placed in lines, equipped with a cover. Made of PCV 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. Cover



Illustration 4. Mattress



Illustration 5. 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 bedsores 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.
- Check if the switch-key is in the “0” zero position.
- Connect the pump to electricity.
- Connect the pipes to the pump – insert them into the air outlet located on the pump side and on the mattress.
- Place the pump on hard surface or hang it on hinges. The place where the pump will stand must be clean and dry. Dust, hair or other impurity may block the filter.
- Please, check if the pipes are not folded or pressed.
- Switch on the pump – set switch-key in 1 position.
- Set the pressure regulator on maximum. It will shorten the time of pumping which usually takes 20-30 minutes.
- After inflating the mattress, you should choose the pressure according to the doctor's recommendation.
- Then place the cover included in the pockege of the antibedsore mattress using nep and velcro (Illustration 7).



Illustration 6.

Mattress lapels



Illustration 7.

- 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.

In order to receive exact instructions concerning an appropriate use and optimal pressure, please, consult your doctor. The mattress and pump create effect of “constant movement” (changing position of body support points), provide constant muscle massage and improve blood circulation. Thus, the mattress is an effective tool to prevent bedsores. But the position of the patient on the mattress needs to be changed despite of using it.

- The mattress must be on all times.

Switching off

- Set the switch-key into the 0 position.
- Disconnect the pipes from the air outlet in order to prevent air from escaping.



6. Safety of use

WARNING!

- a) Before using the mattress, refer to this manual and keep it for future reference.
- b) Permitted user weight 140 kg.
- c) Please remember that on the mattress should stay only the patient (the other people on the mattress are not allowed).
- d) You are not allowed to do the physiotherapy treatment or rehabilitation on inflated mattress.
- e) The mattress should be protected against contact with body care cosmetics it may a danger of permanent damage of the mattress. The attached insulation sheet/cover should be strictly used.
- f) You mustn't use the mattress close to inflammable materials. It can lead to explosion !
- g) Always check if the pump is plugged into appropriate socket (220-240 V/50 Hz).
- h) You must not unplug the pump while it's working.
- i) Always make sure the pump is in a dry place, please, remember that it cannot get wet.
- j) Please, do not touch the pump when it is wet. Always unplug the pump from electricity when it is wet.
- k) Never leave working pump unattended.
- l) Please, pay special attention if the pump is used in the presence of children or people with disabilities.
- m) The pump can be used according to its purpose only.
- n) Do not use it with other, unauthorized devices.
- o) Never use the pump with damaged or moist cable or plug. You should submit such a pump to a service point.
- p) The cable should be kept away from the hot surfaces.
- q) Never leave the pump in a place where the cable or tubes can be dangerous for people who are not familiar with the device.
- r) Always pull the plug not the cable while disconnecting.
- s) Never block the pump filter. The filter must be free from any impurities such as hair, fur etc.
- t) Always consult your doctor before using the mattress.
- u) Using the isopropyl alcohol or dissolvent may damage the pump.
- v) Please, make sure that the pump is completely dry before setting on.
- w) 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.
- x) Do not put the mattress close to the fire.
- y) Keep the mattress away from sharp objects.
- z) 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



Illustration 8.

Illustration shows the range of adjustment mattress inflating located on the pump. Depending on your preferences you should choose the right degree of firmness on a scale of 1 SOFT to 5 FIRM.

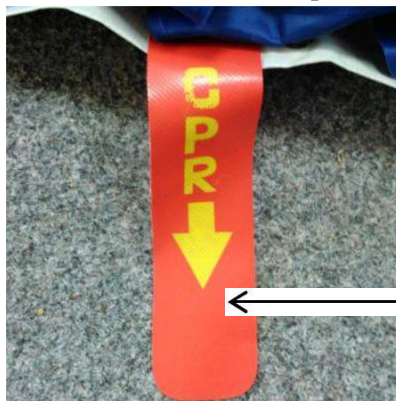
The mattress is inflated by a system of pipes. The cells are alternately inflated which ensures changing position of body support points. Patient's body rests on the same, invariable height regardless of the phase of pump functioning.

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

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 9.)



← Rapid deflation handle

Illustration 9.

- 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 10., 11.)
- Pull out the air hose from the air hose connector on both sides of the air chamber. (Illustration 12., 13.)



Illustration 10.



Illustration 11.



Illustration 12.

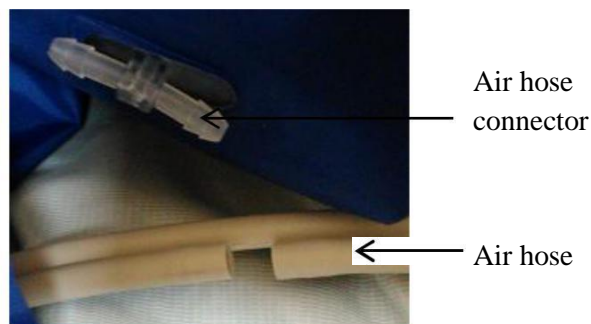


Illustration 13.

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 11.) on the both side of the air chamber.
- Fasten snaps.
- Now you can use the mattress as described in Section 5.

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 packaging.	Check if any elements have any visible mechanical damage.
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 produce

8. Technical parametres

Permitted user weight	140 kg 
Mattress Dimensions	1900 x 850 x 115 mm
Electrical Power Supply	220 /240 V 50 Hz
Duty Cycle	6 min
Air output:	6-7 l/min
Mattres weight	4 kg
Pumpweight	1 kg
Number of chambers	17
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%
Pressure range	70 – 130 mmHg
SN	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

The product is compliant with standards on electrical and electronic equipment. It should not be disposed with other waste from households. The user is responsible for providing the equipment at the end of its service life to the appropriate collection points, under penalty of sanctions provided by the law applicable in the matter of waste disposal. For further information on the collection schemes available can be obtained from the local waste disposal center.

Contact details

 mdh Sp. z o.o.
 ul. Maratońska 104, 94-007, Łódź, Polska
 tel. +48 42 674 83 84
 fax. +48 42 636 52 21
www.mdh.pl www.viteacare.com