

## **USER MANUAL**

### **Anti-decubitus bubble mattress with pump**

Product code: **TKS 2012-A**

### **Anti-decubitus strip mattress with pump**

Product code: **TKS 2012-B1**

Dear Customers,

Thank you for purchasing our product. We hope that the equipment you have selected will meet your expectations. We would like to share some important information with you.

Timago International Group is a Polish company which distributes medical, rehabilitation and orthopaedic products to pharmacies and medical stores.

Our mission is to ensure your comfort by offering safe, functional, and high-quality products.

We have many years of experience in this sector. Timago products reach a wide range of users in Poland and throughout Europe through our distributors (medical retailers).

Timago's company culture promotes openness to your needs. Our goal is to promote safe and correct use of our products for treatment and rehabilitation in order to improve comfort and quality of life.

We invite you to access our website for more information: **[timago.com](http://timago.com)**.

## **1. Introduction**

Prior to use of our products you should inspect the equipment for any defects which may have occurred during transport. If this happens, please contact your retailer.

Then, please read this instruction which includes important information for the user.

Please contact us if you have any questions concerning the use of the equipment. Our advisors will provide you with any information you require on an ongoing basis.

Please note that if you have questions other than those concerning the use of our products, you should contact your doctor, nurse or physical therapist.

## **2. Characteristics**

### **2.1 TKS2012-A**

Anti-decubitus bubble mattress with pump is a set which includes a pressure alternating mattress and a compressor (air pump). The mattress is made of durable PVC in the form of bubble chambers which are **alternately inflated in cycles** by the compressor (air pump). By changing support points of the person lying on the bed, this set minimizes pressure on the parts of the body which are the most at risk from bedsores and allows avoiding or reducing skin damage. The PVC used in the mattress is made of a non-toxic and hypoallergenic material.

The set includes:

- Alternating pressure pump TKS2012
- Air hoses
- Bubble mattress

### **2.2 TKS2012-B1**

Anti-decubitus strip mattress with pump is a set which includes a pressure alternating mattress and a compressor (air pump). The mattress is made of durable PVC with nylon in the form of transverse chambers which are **alternately inflated in cycles** by the compressor (air pump). By changing support points of the person lying on the bed, this set minimizes pressure on the parts of the body which are the most at risk from bedsores and allows avoiding or reducing skin damage. The PVC used in the mattress is made of a non-toxic and hypoallergenic material. The mattress is equipped with CPR function.

**The set includes:**

- Alternating pressure pump TKS2012
- Strip mattress
- CPR function
- Cover
- Spare fuse
- Air hoses

### **3. Application**

Anti-decubitus mattresses with pump are equipment designed for people at risk of bedsores. Anti-decubitus mattress helps people who are bedridden for an extended period of time, who suffer from blood flow disorders in peripheral circulatory system, as well as when signs of subcutaneous or open skin damage caused by long-term pressure occur. The mattress is used to prevent bedsores and treat stage I (according to NPUAP / EPUAP) bedsores. The mattress works by cyclically changing support points of the person lying on the bed, minimizing pressure on the parts of the body which have the greatest risk of bedsores. This improves circulation of the tissues of the body parts which remain in contact with the bed surface for the longest period. It should be noted that the mattress operating principle described above cannot eliminate all causes of skin lesions; however, it can significantly limit their development. Contraindications for use of alternating pressure mattresses are determined by a physician based on a physical examination and medical history. As a general guideline, the mattress is contraindicated if alternating changes of support points cause pain and an exacerbation of the patient's condition.

### **4. Assembly and general recommendations for use**

**Note!** Follow the information contained in this manual while assembly and adjustment. Users with reduced mobility may need help from a third person who has appropriate skills.

**Note! Do not use the mattress before it is fully pumped.**

#### **STEP 1**

Place the mattress on the bed directly on top of the regular mattress. The flaps at each end of the pressure relief mattress should be tucked under the regular mattress to limit movement of one mattress relative to the other. Next, cover the mattress with the cover

included in the set. It is recommended to secure the mattress with a hygienic vapour-permeable mattress pad or cotton sheet in order to prevent it from being soiled.

#### **STEP 2**

The hook of the pump should be opened to the desired width and hung on the bed frame.

#### **STEP 3**

The pump and the mattress should be connected with air hoses so that they are not kinked or trapped under the mattress. Make sure that the hoses are properly fastened and do not come out from the ports.

#### **STEP 4**

Plug in the pump using the power cord, taking extra care while doing this.

#### **STEP 5**

To start the pump, press the ON button on the control panel. The pressure relief mattress will then start to inflate.

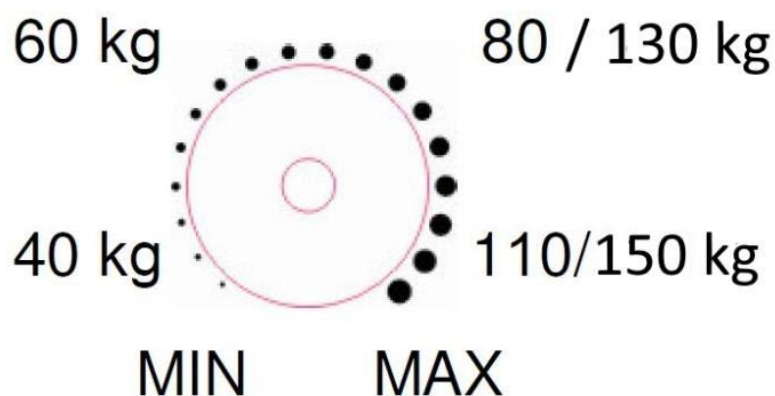
#### **STEP 6**

Set the pressure dial at the maximum value. The preparation time (the first inflation) prior to use takes 24 minutes (two full cycles).

Note! You can only use the mattress after 24 minutes from starting the mattress

#### **STEP 7**

Following complete inflation, set appropriate pressure value with the use of adjustment knob. Then, the mattress is ready to use.



Note! The compressor works by pumping the air alternately into the chambers of the mattress and for this purpose it must be constantly on. The OFF switch on the control panel

is only used to turn off the compressor when nobody is using the mattress. Reusing the mattress requires a start-up procedure (see STEP 6 and 7).

## 5. Technical data

- Mattress dimensions: 199 × 88 × 8 cm (TKS2012-A) / 184 x 83 x 11 cm (TKS2012-B1)
- Maximum capacity: 110 kg (TKS2012-A) / 150 kg (TKS2012-B1)
- Mattress weight: 2,35 kg (TKS2012-A) / 3,7 kg (TKS2012-B1)
- Compressor weight: 1,4 kg (TKS2012-A) / 1,4 kg (TKS2012-B1)
- Cycle duration: 12 min
- Compressor: TKS2012
- Pressure range: 70-120 mmHg
- Flow: 5-6 l/min
- Power supply: 220-230V AC 50Hz
- Fuse: F500mA, 250V
- Power intake 7W
- Ambient condition  
Temperature: +10oC up to +40 oC  
Humidity: 30% - 90%
- Mattress: made of durable PVC with nylon in the form of transverse chambers (TKS2012-B1)
- Mattress: made of durable PVC in the form of bubble chambers (TKS2012-A)

## 6. Notes and recommendations

**Note!** Before using the mattress consult your doctor in order to determine any contraindications for use. The mattress should not be used without consulting a doctor particularly in case of:

- application of a cervical traction,
- multilevel instability of a given segment of the spine.

**Note!** In case of patient with pacemaker, the pump should be placed as far from chest as possible.

**Note!** One mattress should be used with one patient.

**Note!** Do not exceed maximum capacity.

**Note!** Do not perform any rehabilitation procedures.

**Note!** Other people should not sit on the mattress.

**Note!** The mattress may only be used on flat surfaces. The mattress should be protected against sharp objects and should not be laid directly on bed springs or bed frames with sharp edges.

**Note!** The air pump should not be used if the power cord or plug is damaged and in case of apparent product failure, for example, insufficient pumping force. The air pump should not be connected to damaged extension cords or electric outlets.

**Note!** Keep the mattress and air pump away from heat sources. Keep away from open flames and flammable substances.

**Note!** The pump should not be used in an improper operating environment or come in contact with water or other fluids.

**Note!** The air pump should not be placed under the bed or in places where the air flow to the air pump may be limited, e.g. under bedding.

**Note!** The air pump cover must not be removed due to the risk of electric shock.

**Note!** A worn out or damaged air pump should be taken to a recycling center for electrical and electronic products. Do not dispose of the air pump together with other municipal waste.

**Note!** When the mattress is not in use, turn off the air pump using the OFF button on the control panel; after the air pump is turned back on, the operating instructions must be followed.

**Note!** Do not pull the hoses connecting the air pump with the mattress. This can cause damage to the mattress.

**Note!** Do not make any repairs or modifications by yourself.

**Note!** Only use original spare parts admitted to operation by the manufacturer. For this purpose, contact with the retailer.

**NOTE! Timago International Group does not bear responsibility for inadequate maintenance of the product, failure to comply safety regulations and misuse.**

## **7. Maintenance**

Check the condition of the mattress and air pump regularly:

- a) Before each use: check whether the air hoses are properly mounted in the ports, there is no air leak from the mattress, the air pump works smoothly and efficiently.
- b) Every 6 months: it is recommended to do review at the service point indicated by the manufacturer (according to the applicable service price list).

In case of FAILURE you should contact customer support to determine the cause of the problem.

## **8. Fuse exchange**

A blown fuse is the most common cause of air pump failure.

The fuse for self-replacement is mounted on the front of the compressor. A spare fuse is included with the mattress.

**Note!** Before fuse exchange turn off the air pump and unplug the power cord from the socket

**Note!** When the air pump is still not working after fuse exchange, contact with the retailer.

## **9. Cleaning**

Clean the mattress and the air pump with a damp cloth using mild cleaning product. Do not get the mattress and air pump wet and dry them thoroughly after each maintenance. The use of strong cleaning products or detergents can damage the product.

**Note!** Dry away from heat sources.

**Note!** Before cleaning turn off the air pump and unplug the power cord from the socket

## **10. Warranty information**

All products distributed by our company are under a warranty, the terms of which are described in the warranty card received at the time of purchase.

Please, keep in mind that for warranty purposes, the proof of purchase (receipt or invoice) should be retained.

As a user friendly company, we only supply products which have been thoroughly tested with respect to materials, quality and functionality.

Please contact us if you have any questions concerning our servicing procedure.

## **11. Recommended products**

- Products offered by Timago International Group include:
- Orthoses and joint stabilizers
- Manual and special-use wheelchairs
- Walkers and rollators
- Crutches and canes
- Rehabilitation beds
- Ancillary and sanitary equipment
- Anti-decubitus equipment and accessories
- Stabilizing and immobilizing belts
- Electro-medical equipment
- Disposable medical equipment

Our complete line of products is available from our distributors.

Learn more at: [timago.com](http://timago.com)

**Distributor:**

Timago International Group

Spółka z o.o. i Spółka – Spółka komandytowa

ul. Karpacka 24/12

43-316 Bielsko-Biała, Polska

T.: +48 33 499 50 00

F.: +48 33 499 50 11

E.: [info@timago.com](mailto:info@timago.com)



**Manufacturer:**

**GI-EMME S.R.L.**

Via Sicillia 41,

20020 Magnago (MI), ITALY



Issue III, date 26.01.2021