

# Inflatables for Healthcare

*The power of compressed air*



**Ergotrics**®

INFLATABLES FOR HEALTHCARE

# The power of compressed air in the operating room

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## **Positioning and moving with compressed air.**

Ergotrics specialises in positioning and moving patients with compressed air. We design and produce inflatable positioning devices that tilt and move patients more quickly, easily, ergonomically, hygienically and safely. All our product innovations are based on our knowledge of anatomy and physiology. In this way we can achieve better and more hygienic patient care, improve working conditions and efficiency for healthcare workers.

### **01 | OPTIMAL POSITIONING**

by mirroring the human skeleton.

### **02 | BETTER ERGONOMICS**

due to the save use of compressed air.

### **03 | X-RAY TRANSMISSION**

by positioning on air.

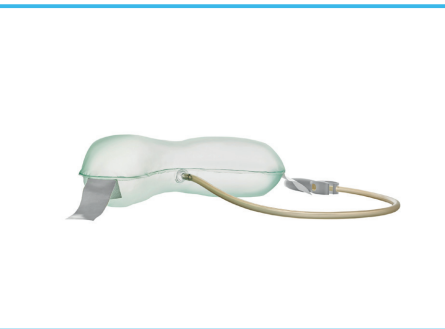
### **04 | OPTIMAL HYGIENE**

the cushions are for single use (disposable).

# 3 products



For a safe and easy proning procedure and an optimal prone position before the operation.



## 01 | IPS

### Inflatable Prone Support

The world's first inflatable, disposable positioning cushion for surgical procedures in prone position.



## 02 | HUMMINGBIRD

### A specially designed air pistol for application in the medical world.

Ensures safe use of 4-6 bar medical compressed air in the operating room to inflate our products. Compatible with the compressed air connection in the OR.



## 03 | IBO

### Inflatable Board

The ideal device for the safe and controlled tilting of patients. Reusable. A clear ergonomic progress in hospital care.



“

*Belgian world first:  
air cushions in the operating room.*

-Sven Ponsaerts, De Morgen, newspaper (Belgium)

”

“

*Clever Tilburg method turns patients  
under anesthesia without lifting.*

-NOS, television news (Holland)

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# Advantages

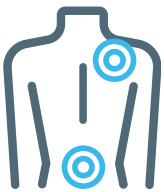
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## OPTIMAL POSITIONING



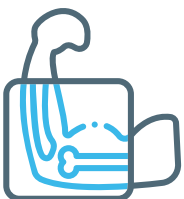
The IPS cushion is **designed as a mirror image of the human skeleton**. In this way, it supports the ribcage and pelvis, while leaving the abdomen free. This reduces the risk of skin damage, congestion and inter abdominal pressure.

## REDUCTION OF BACK STRAIN



**Lifting for hospital staff is kept to a minimum:** 100% of our users say that no (40%) or minimal (60%) force is required to position patients in prone position. Even with patients over 100kg.

## X-RAY TRANSMISSION



The Ergotrics solutions are **fully X-ray permeable**, which facilitates X-ray applications.

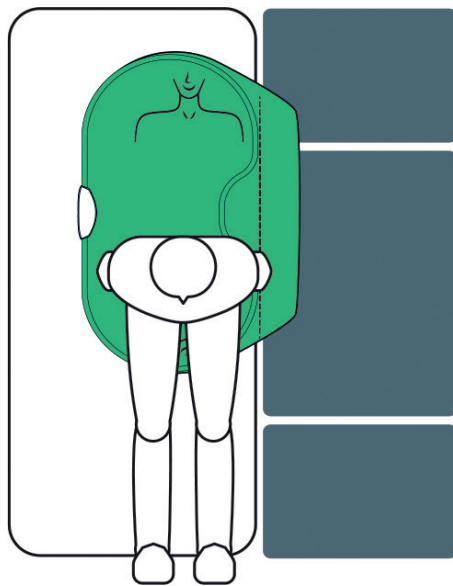
## OPTIMAL HYGIENE



The positioning cushions for prone operations (IPS) can be used only once. They are glued to the patient's skin. This ensures **better hygiene** in the operating room while the **cushions remain in the correct position** when turning the patient.

# 9 simple steps

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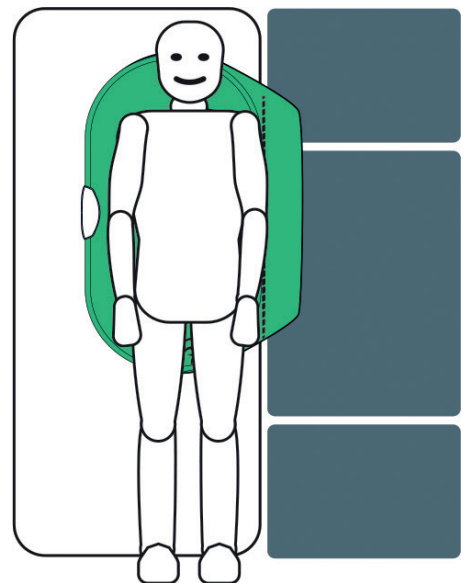
## STEP 1

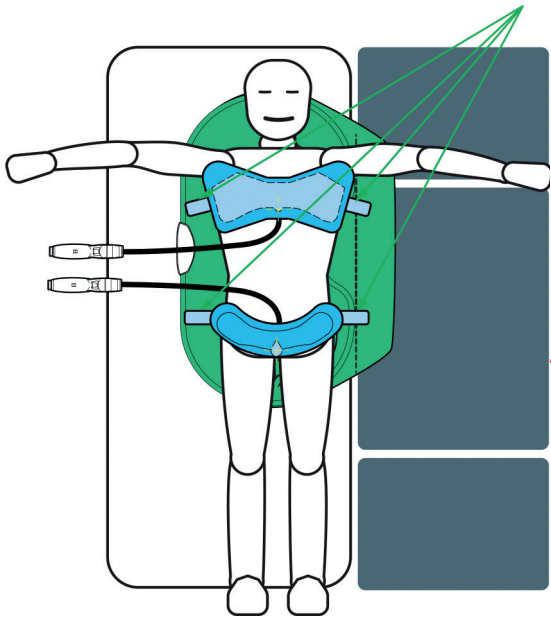
Position the IBO (inflatable board) on the bed.

The flexible end of the IBO must be positioned onto the operating table.

**STEP 2**  
Position the patient on the IBO in the supine position.

Assure full trunk (thorax and abdomen) is on the IBO.





### STEP 3

Spread the arms of the patient.

Apply IPS cushions on the patient using the skeleton (rib rack and pelvic crest) as a reference.

The tubes of the cushion divert to the navel.

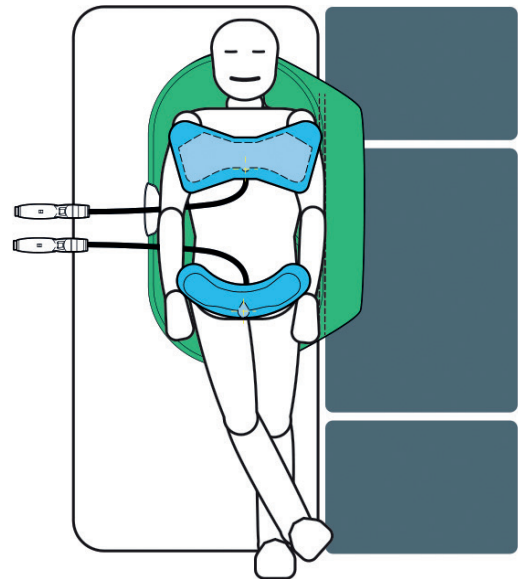
Apply the side tape tightly to the patient's body.

### STEP 4

Arrange the tube and valve next to the patient.

Put the arm of the patient over the tubing.

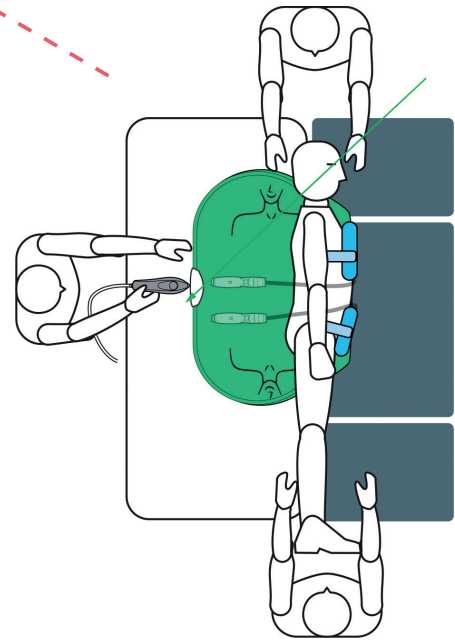
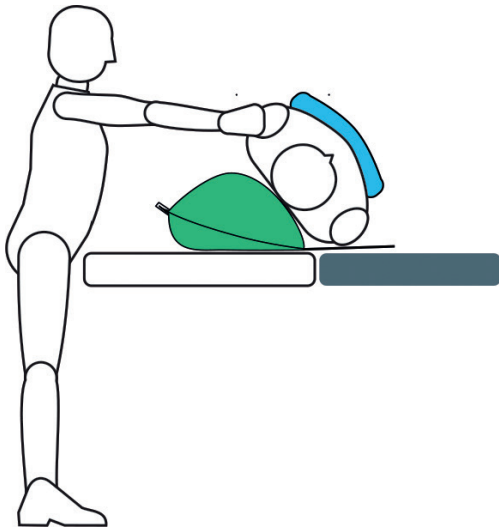
Cross the ankles of the patient over each other.



## STEP 5

Inflate the IBO using the Hummingbird.

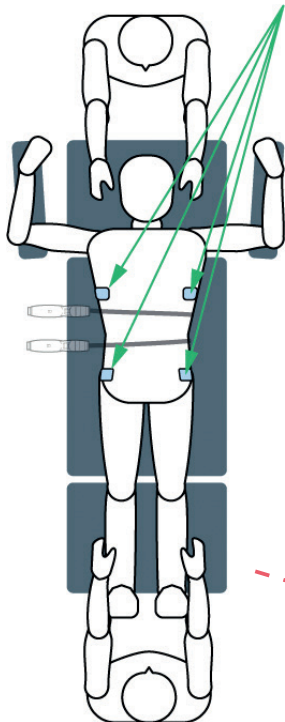
Inflating the IBO puts the patient into lateral position.



## STEP 6

Roll the patient gently into prone position.

Hang the IBO on a hook, it will deflate automatically within less than 10 minutes.



## STEP 7

Position the patient.

Put the arms of the patient onto the arm supports and release the side tapes.

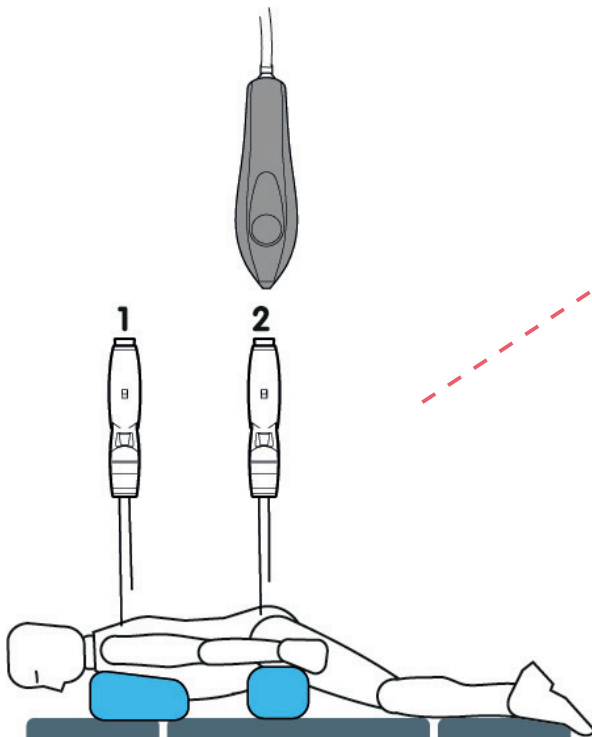
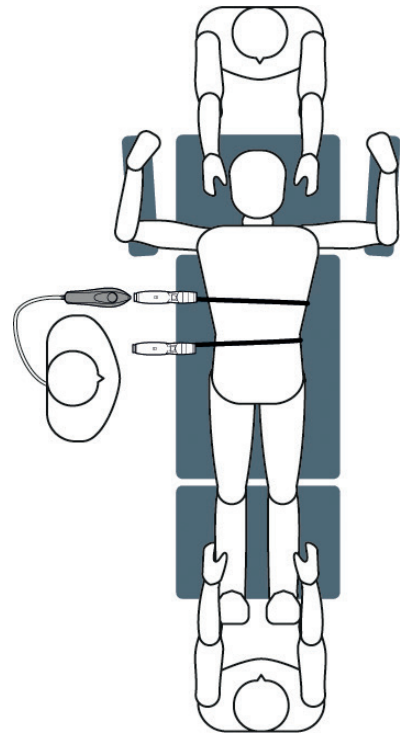


## STEP 8

### Inflate the thorax cushion.

While inflating, take care of the position of the neck.

Inflating the IPS cushions brings the patient's body into the prone position with free-hanging abdomen.



## STEP 9

### Inflate the pelvic cushion.

Stop inflation of the IPS when the overpressure valves open.



# Ergotrics<sup>®</sup>

INFLATABLES FOR HEALTHCARE

## CONTACT

Interested in product  
information or demo?

[info@ergotrics.com](mailto:info@ergotrics.com)

More information?

[www.ergotrics.com](http://www.ergotrics.com)

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# Application in the operating room

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Turning patients from the supine to the prone position (proning) remains a technically and ergonomically difficult procedure. The correct positioning of a patient is extremely important for a successful operation and avoids post-operative complications for the patient.