

# OPTICELL AIR1



Hybrid mattress  
pressure ulcer  
category 3

TruePressure  
high comfort  
and extra low  
pressure

Intergrated  
cells distributes  
air

OptiTex™ cover  
with excellent  
features

*A silent hybrid mattress with integrated air cells,  
hygiene cover and interchangeable air cells.*



# OPTICELL AIR1

**Air1 with TruePressure is a new type of hybrid mattress designed to meet the stringent demands of healthcare and the needs of the patient**

Its interconnected air cells distribute the air pressure over the mattress providing both high comfort and extra low back pressure\*. We call this TruePressure.

The mattress has been designed using carefully selected components to provide the conditions for immersion and envelopment. Two factors that research has shown to be of great importance for effective and even pressure relief:\*\*

## OptiTex™ cover

**GOOD HYGENIC CONTROL** – The OptiTex™ cover can be cleaned with disinfectant and can also be machine washed at 95oC. The cells and hoses can be rinsed clean with warm water (max 70oC) or with disinfectant.  
**DRIP PROTECTION WATERPROOF ZIP** on four sides. All seams are welded.  
**THE UNDERSIDE BOTTOM COVER HAS ANTI-GLIDE PROTECTION** with four fixing straps.  
**FOUR HANDLES** to facilitate handling of the mattress.

## Foam configuration

**HIGH RESILIENCE FOAM HR50** – Has a density of 50 kg/m<sup>3</sup>, which means a high concentration of foam material. It provides increased stability, durability and support, conforms to the contours of your body and maintains its shape over time for long-lasting comfort.

**HYPERSOFT FOAM** – A really soft foam that moulds to the body. Together, these foams facilitate immersion and envelopment while achieving a high level of comfort

## HEEL RELIEF

The mattress is fitted with a relief system with an integrated airlock that enables the easy disconnection of cells. OptiCell Air1 has got documented extra low pressure (42/44 mm/Hg)

Pressure values, Air1 hybrid mattress			
Raised mattress	Large impression body, 300 N	Large impression body, 600 N	Small impression bod, y40 N
20 cm	26	45	42
18 cm	26	47	44

Reference values				
Impression body	Extra low	Low	Medium	High
Large impression body 300 N	< 30,0	30,0-34,9	35,0-39,9	40,0-44,9
Large impression body 600 N	< 45,0	45,0-52,9	53,0-60,9	61,0-68,9
Small impression body 40 N	<45,0	45,0-52,9	53,0-60,9	61,0-68,9

\* RISE Research Institutes of Sweden O100560-1129023

\*\* What is new in our understanding of pressure injuries, Amit Gefen and Esa Soppi 2020.

\*\*\* Categories defined by the International Pressure Ulcer Classification system. Guidelines produced by the European and US National Pressure Ulcer Advisory Panels (EPUAP and NPUAP), together with the Pan Pacific Pressure Injury Alliance (PPPIA).

## Product specifications

**STANDARD SIZES** 200/210/220 x 80/85/90/105/120 cm. OptiCell Air1 comes in different mattress heights and maximum loads. See table with data for each model. For other sizes please contact Järven Health Care.

**PRESSURE ULCER CATEGORY** 1-3\*\*\*

**CELLS** Our unique replaceable SweCells™ are made of TPU (Thermoplastic Polyurethane) and are softer than traditional PU cells. This means that they mould more easily to the body with less rustling noise.

**COVER** made of bi-elastic double-coated textile with soft elastic PU.

**WARRANTY** 2 years for manufacturing defects.

**FIRE STANDARD** SS 876 00 01, EN 597-1 & 2.

**PATIENT WEIGHT** OptiCell Air1 comes in different mattress heights and maximum loads. See table with data for each model.

**RECYCLING** consult user manual

**WEIGHT** see table below

**LABELLING** year of manufacture, month, week, EAN, care instructions, standard compliance and placement on bed.

Mattress	Height	Weight	Max load
Opticell Air1R7	18 cm	9,5 kg	230 kg
Opticell Air1R8	20 cm	10,2 kg	250 kg

