



A Great Deal of Pressure Relief

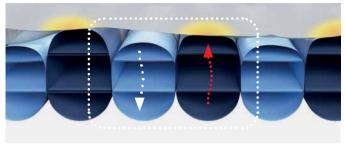


2-cell alternating pressure mattress family

# AIR2CARE A Great Deal of Pressure Relief



#### EFFICIENCY IN THE PREVENTION OF PRESSURE INJURIES



2-cell alternating system provides intermittent pressure reduction.



Fowler Boost helps to minimize the risk of bottoming out.

#### SIMPLICITY OF HANDLING BROUGHT BY USER-FRIENDLY FEATURES



Easy Smart System with automatic pressure setting adjusting to the patients weight and position.



Easy patient transportation supported by Transport mode that can be enabled by simple disconnection from System Control Unit(SCU).



Convenient maintenance provided by individual cells that are removable and can be easily cleaned, decontaminated or replaced.

#### SAFETY AND COMFORT AT THE CORE OF PATIENT CARE





Wide choice of cycle times based on patient's condition and individual preference.



Integrated compressor provides less noise and vibration for better patient comfort.

## AIR2CARE Integrated

The compressor of the mattress is integrated into the Essenza bedframe, along with an easy to use control panel available on the bed siderails.



Integrated compressor



Integrated mattress control panel



## AIR2CARE Mattress Replacement

Alternating Air2Care mattress replacement with an external compressor can be placed in any bed frames with compatible dimensions.



#### System Control Unit (external compressor)

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	Air 2 Care 6 (Airs State 110 Cap) 2 4 60 1 7 1 4 5 1 1 3 100 1 7 1 4 5 1 0 1 100		
	Air2Care'6 EASY SMART	bonserbert weissne viele tere	



# SOLUTIONS OVERVIEW

### ENHANCED PATIENT OUTCOME



#### PRESSURE INJURY PREVENTION

Effective pressure injury prevention of Air2Care mattress provided by 2-cell alternating system and Fowler Boost.

#### IMPROVED CAREGIVER & HOSPITAL WORKFLOW



#### SIMPLIFY CAREGIVER PROCEDURES

Easy Smart System and Transport Mode help to reduce the complexity of caregiver procedures.



#### SUPPORT PATIENT RECOVERY

Air2Care offers individual cell deflation to enable the reduction of pressure in specific areas and support patient recovery.



#### HOSPITAL OPERATIONS EFFICIENCY

Easy and safe maintenance of the Air2Care mattress brought by a complete integrated solution.



#### PATIENT COMFORT AND SAFETY

Integrated compressor, Cycle Time Options and availability of Prone Mode help to enhance the comfort and well-being of patients.



#### PREVENTION OF HOSPITAL ACQUIRED INFECTIONS

Efficient infection control is supported by the construction of removable cells of the mattress which enables ease of cleaning.



- Worldwide prevalence of HAPI varies from 6–18.5 % in acute care segment<sup>1</sup>
- Pressure injuries can develop within minutes of immobility<sup>3</sup>
- Caregiver should routinely check the patient bottoming out on the support surface<sup>4</sup>

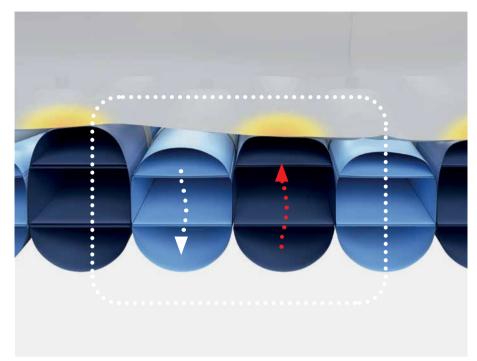
The cost of treating pressure injuries varies from £1,214 to £14,108<sup>2</sup>



#### SOLUTION

Air2Care alternating pressure mattress provides periodic pressure relief.

#### 2-Cell Alternating System



Air2Care with 2-cell alternating system reduces pressure and helps to minimize sustained pressure peaks to the patient's body.

# Intermittent pressure reduction

Alternating pressure can be used for pressure injury prevention as part of an overall program of care

#### Fowler Boost

#### Minimized risk of bottoming while sitting

The Air2Care mattress starts to increase air inflation when it detects the backrest has been raised by 30°.

The Single Point Fowler Boost enables automatic detection of the raised backrest position.





- Patient with an existing category I of pressure injuries can be in high risk of developing category II and higher<sup>4</sup>
- When the skin breaks down, the muscle and fat tissue have a lower resistance to pressure and temperature  $^{\scriptscriptstyle 5}$
- The higher category of pressure injury the more time is needed for healing<sup>6</sup>

1 month to heal pressure injuries of category I<sup>6</sup>

Up to <mark>8 months</mark> to heal pressure injuries of category III/IV <sup>6</sup>

#### SOLUTION

Alternating pressure mattress with individual cell deflation can be part of the treatment of early categories of pressure injuries and reduce the chance of developing higher categories of pressure injuries.<sup>7</sup>

#### Individual cell deflation



# Localized pressure offload

The individual cell construction uses self-sealing valves that allow the cells to be individually deflated. This enables pressure to be removed from specific areas of the patient's body.

NOTE: Always complete a manual check to ensure the mattress does not bottom out due to a deflated cell.



- Excessive noise influences patient healing and the working conditions of nurses<sup>8</sup>
- Sleeping of patient is highly connected to surrounding noise<sup>9</sup>
- After overexertion, the second most common cause for injuries is slip, trip and fall (STF)<sup>10</sup>

STF represents 25% of all injuries of healthcare workers<sup>10</sup>



#### SOLUTION

An integrated Air2Care compressor reduces vibration for better patient comfort.<sup>11</sup>

#### Integrated compressor



#### Support for Heavier Patients



The compressor reduces vibration by more than 50% compared with mattress replacement.<sup>11</sup>



Integrated compressor meets the night noise requirements of WHO<sup>12</sup>

The A2C mattresses range allows placing plus sized patients thanks to models with a high maximum patient weight of 250 kg and extended dimensions of the mattress.



NOTE: maximum patient weight up to the 250 kg limit with the size of  $100 \times 200$  cm.

### Cycle Time Options of 10/15/20/25 Minutes



#### Availability of Prone Mode



It is possible to prone patients on the Air2Care 6 and 8 mattresses due to the self-sealing valves that allow the individual cells to be deflated.

NOTE: Always check manually for bottoming out.

#### Minimized Errors with Safety Lock Button



- The Safety Lock Button protects against accidental setting changes.
- Activate or deactivate the functions control using the Safety Lock button, located at the control panel.



- 41% of caregivers suffer from lack of time <sup>13</sup>
- 34% of the working time nurses need to multitask<sup>14</sup>
- Narrow corridors and small space elevators inside hospital beds limit patient transport on the bed

#### SOLUTION

Integrated mattress control panel, Easy Smart System, and Fast Access CPR features reduce complexity of daily caregiver's procedures.

**User-friendly** 

interface

Integrated mattress control panel





In the integrated Air2Care easy-of-use mattress control panel is available on the bed siderails.

Air 2 Cars 6 (Min. Inst 100 bij)      Lvori 1      hg 2      hg 3      hg 4      hg 3      hg 4      hg 3      hg 3 <thg>3      hg 3      hg 3      hg 3</thg>
Air2Care'6 EASY SMART

All functions and settings can be set with a well-arranged control panel for the System Control Unit (SCU). Easy access to MAX, Alternating and Constant Low Pressure Modes and to use Plug & Play system.

### Automatic Pressure Setting with the Easy Smart System

At the press of a button, the mattress will automatically and continuously adjust to the patient's individual size, weight and position. Manual pressure adjustment is available to suit patient comfort.



#### Fast Access to Immediate CPR

#### Easy Patient Transportation



With the simple turning of a valve the mattress deflates providing a firm surface for chest compressions.



Transport Mode can provide constant low pressure for 8 hours while disconnected from the power or System Control Unit (SCU).



- Number of caregivers required to transfer patients on to a stand-alone mattress
- Sustainable and Cost-effective equipment maintenance
- Damaged mattresses are common in hospitals and potentially place patients at risk.

#### SOLUTION

Easy and safe maintenance of the Air2Care mattress brought by a complete integrated solution and cells construction.

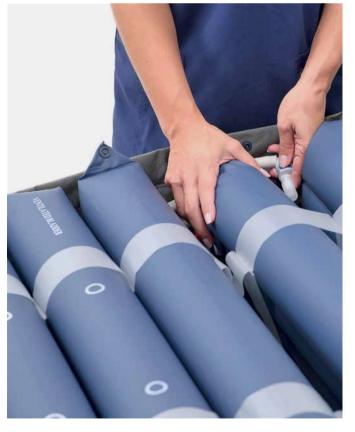
Complete integrated solution



Easy and Cost-Effective Maintenance



Air2Care integrated helps to save space due to the absence of the external compressor and reduces the risk of cable damage while transporting.



The removable cells with self-sealing valves enable quick and easy replacement of damaged cells without even having to switch off the system.

### PREVENTION OF HOSPITAL AQUIRED INFECTIONS

#### CHALLENGE

- HAIs are the most deadly and costly adverse event, representing up to 6% of public hospital budgets<sup>15</sup>
- Cleaning and checking mattress inside and cover on discharge or weekly<sup>16</sup>

### 3.1-4.6

#### milion people

acquire a healthcareassociated infection (HAI) in acute care hospitals in Europe every year<sup>15</sup>

#### SOLUTION

The cell construction makes it possible to completely remove the individual cells for cleaning and decontamination.

#### Infection control



Self-sealing valves help maintain pressure so the mattress stays inflated even if a cell is removed for cleaning or repair.



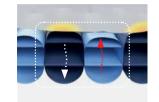
Individual cells can be removed so that the entire mattress may be easily cleaned.



The mattress cover is vapor permeable and water resistant. The zipper is covered to prevent the ingress of dirt or fluids.

# KEY FEATURES OVERVIEW

2-cell alternating system provides intermittent pressure reduction.



Fowler Boost minimizes the risk of bottoming out.



Individually removable cells provide easy and

cost-effective

maintenance.



4 cycle time options offer a wide choice for patient comfort.

Safety Lock Button helps to minimize errors.

Support for Heavier patients with a limit of up to 250 kg.







Integrated compressor provides easy and time-saving maintenance.



Easy Smart System enables automatic pressure setting.



Transport mode supports easy patient transportation.



CPR solution with fast access.



Individual cells deflation enables Prone positioning and supports localized pressure offload.

24-hour care supported by Air2Care sitting cushion.

# **TECHNICAL SPECIFICATION**



#### **FEATURES**

Air Decks	Air+Air	Air+Air	Overlay	Overlay Seating Cushior
Modes	Alternate, Max, Constant Low Pressure	Alternate, Max, Constant Low Pressure	Alternate, Max, Constant Low Pressure	Alternate, Max, Constant Low Pressure
Transport mode	Yes	Yes	Yes	Yes
Cycle Time*	10, 15, 20, 25 min	10, 15, 20, 25 min	10, 15, 20, 25 min	10, 15, 20 min
Fowler Boost	Single point	Single point	Single point	

#### MATTRESS DIMENSION

Length (cm)	200	200/210	200	48	
Width (cm)	100/86	90/86	86	46	
Depth (cm)	20	15	12.5	10	

#### ADDITIONAL PARAMETERS

Maximum patient weight (kg)	180/250*	160	140	130
Minimum patient weight (kg)	40	40	40	40
Cover	Waterproof and Vapor Permeable, Stretch Cover	Waterproof and Vapor Permeable, Stretch Cover	Waterproof and Vapor Permeable, Stretch Cover	Waterproof and Vapor Permeable, Stretch Cover
Zipper	360°	360°	360°	270°
Handles	Yes	Yes	Yes	

\* Related to mattress replacement only

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