



Comfort & pressure redistribution with offloading capabilities

## PRESSURE INJURY PREVENTION

# AtmosAir Velaris

AtmosAir Velaris® is a **flexible** and cost effective alternating **hybrid** mattress system. It can be used across a wide range of patient risk categories and care settings.

Without the pump attached, it provides **pressure redistribution** through the AtmosAir Velaris Air Redistribution Module™ (ARM) to maintain comfort and pressure levels in each air cell.

If used in conjunction with the pump, AtmosAir Velaris transforms to a fully alternating therapy mattress system that provides offloading capabilities while maintaining high comfort levels.

# Alternating hybrid system with offloading capabilities

## Velaris ARM — Air Redistribution Module

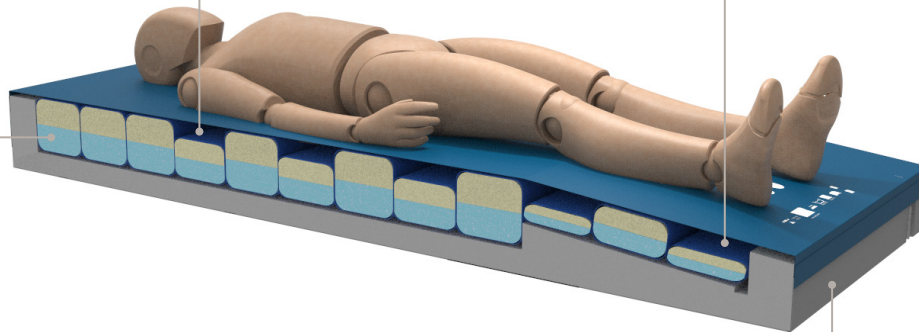
In non-powered mode, AtmosAir Velaris is an open pressurized system. The Velaris ARM — Air Redistribution Module maintains a predefined pressure level inside the cells

## No extra layer of foam on top of the cells

Comfort is provided by memory foam layer inside the air cells. This eliminates the need for a foam layer between the patient and the air cells that would reduce the effect of the alternating pressure

## Heel zone with active therapy

With a sloped heel zone combining AltoVac vacuum technology alternating air cells with a heel slope, the AtmosAir Velaris hybrid system offers offloading capabilities in the vulnerable heel area



## AltoVac™ Vacuum Technology

With the pump connected, the AltoVac Vacuum Technology sucks air out and inflates air in cycles to provide alternating pressure (AP) therapy with offloading capabilities

## Microclimate management

Powered directly from the AtmosAir Velaris pump, the system can also offer the full microclimate and comfort benefits of Skin IQ®, without impacting the alternating pressure performance. Compatible with both Skin IQ standard and bariatric coverlet

## Plus size mattress option

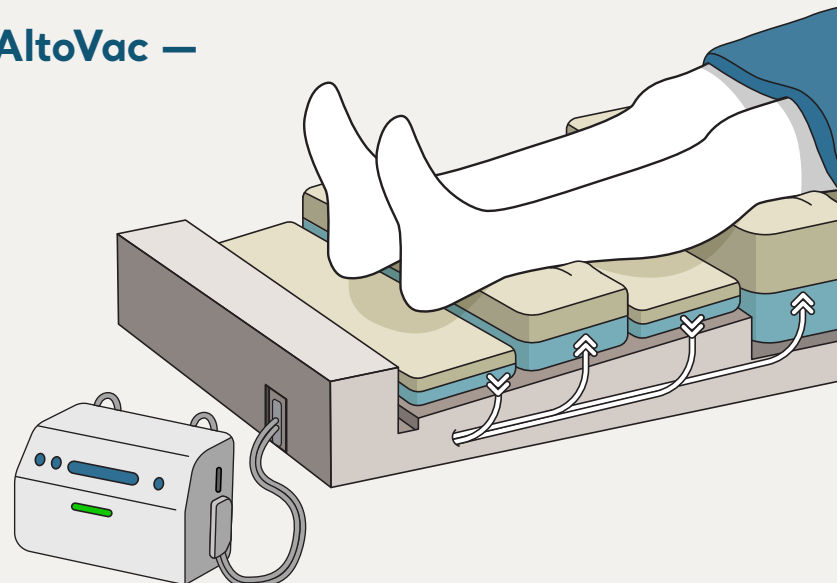
Active therapy for plus size patients up to 454 kg (1000 lbs). AtmosAir Velaris is supported by an alternating pressure (AP) pump that works with both standard and plus size mattresses

# Alternating pressure pump with AltoVac — a unique vacuum technology

## Offloading capabilities with maintained comfort

Using AltoVac technology to effectively deflate the foam filled air cells compresses them to a level where there is pressure offloading capabilities underneath the patient for periods of time.

This also allows for a reduced peak pressure in the inflated cells to improve comfort and immersion while maintaining the offloading capabilities of the surface.

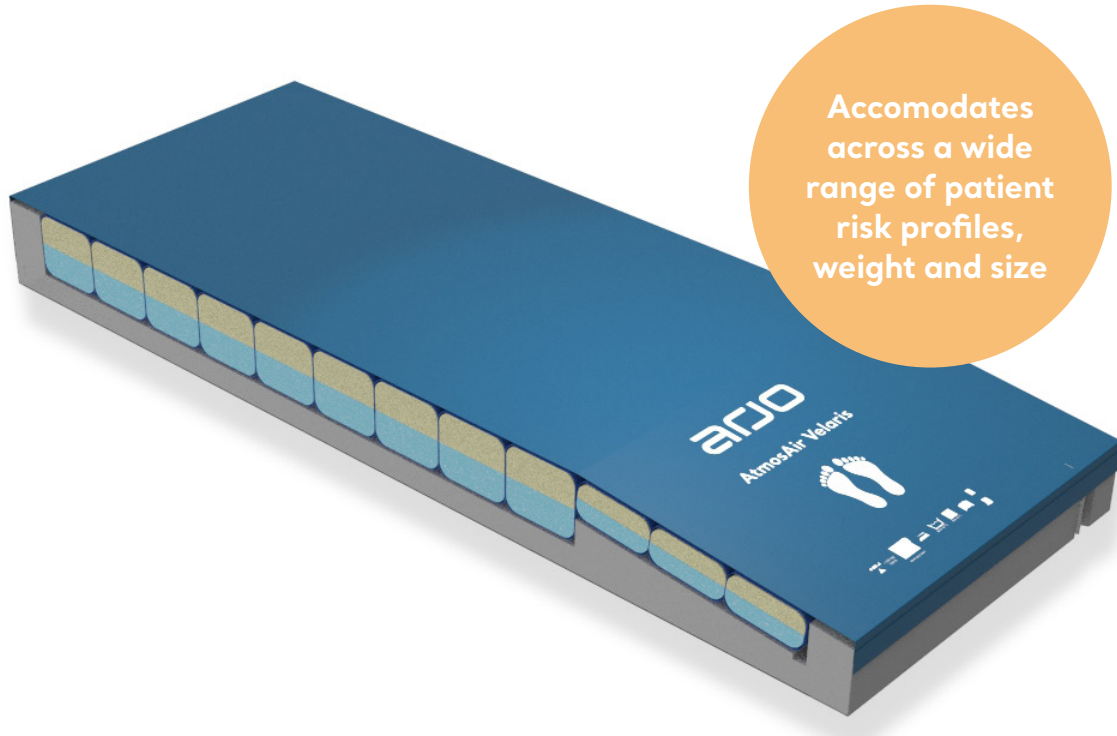


## Clinical performance that enables a 'One Surface Strategy'

AtmosAir Velaris performs as a dedicated alternating pressure surface in active therapy mode, but also provides non-powered pressure redistribution when the patient pressure risk level does not require alternating therapy.

This makes it possible to use one surface for all patients except for those at very high risk of pressure injury.

AtmosAir Velaris is approved for use in acute care, long term care and home care facilities.



## Step up therapy system benefits

### PATIENT



#### High comfort in both reactive and active mode

- Very low noise levels (19 dBA)
- Low peak interface pressure for better immersion
- Slow and controlled movements of the surface during alternating therapy, providing the benefit of an alternating surface combined with the comfort of a foam surface
- Easy bed egress through firm foam perimeter

### CAREGIVER



- Instant step up of care — simply introduce the pump as required
- Less nursing time needed as no patient transfer is required to step up care
- Fewer surfaces required in a facility to manage means less training, space requirement, disinfection and administration
- Microclimate management is easily integrated by plugging Skin IQ overlay into the pump

# Specifications

ATMOSAIR VELARIS		
Cover fabric options	Dartex Reliant (welded)	Dartex Premium (welded)
PVC free	Yes	Yes
Material fire tests	BS7175 Source 5	BS7175 Source 5
Mattress fire tests***	BS597-1, BS597-2, BS6807 Source 5	BS597-1, BS597-2, BS6807 Source 5
Welded seams & handles	Yes	Yes



ATMOSAIR VELARIS STANDARD MATTRESS		
Cover fabric options	Dartex Reliant (welded)	Dartex Premium (welded)
Standard sizes* mm (in)	810 x 2000 x 180 (31 x 78 x 7) 860 x 1980 x 180 (34 x 78 x 7) 880 x 2140 x 180 (35 x 84 x 7) 1070 x 2000 x 180 (42 x 79 x 7) 880 x 2020 x 180 (35 x 80 x 7) 900 x 2000 x 180 (35 x 79 x 7)	880 x 2020 x 180 (35 x 80 x 7) 900 x 2000 x 180 (35 x 79 x 7) 860 x 1980 x 180 (34 x 78 x 7) 880 x 2140 x 180 (35 x 84 x 7) 1070 x 2000 x 180 (42 x 79 x 7)
Ability to connect to AtmosAir Velaris alternating pressure pump	Yes	Yes
Weight of mattress	15.5 kg (34 lbs) - 17.5 kg (39 lbs)	15.5 kg (34 lbs) - 17.5 kg (39 lbs)
Max patient weight limit	250 kg (550 lbs)	250 kg (550 lbs)



ATMOSAIR VELARIS PLUS MATTRESS		
Cover fabric options	Dartex Reliant (welded)	Dartex Premium (welded)
Standard sizes* mm (in)	1220 x 2140 x 180 (48 x 84 x 7)	1220 x 2140 x 180 (48 x 84 x 7)
Ability to connect to AtmosAir Velaris alternating pressure pump	Yes	Yes
Weight of mattress	24 kg (53 lbs)	24 kg (53 lbs)
Max patient weight limit	454 kg (1000 lbs)	454 kg (1000 lbs)

ATMOSAIR VELARIS ALTERNATING PRESSURE PUMP	
Size	337 x 107 x 200 (13.3 x 4.2 x 7.9)
Weight	4.1 kg (9 lbs)
Alternating cycle time	10 minutes
Supply voltage	100 - 230 V
Power input	3 - 46 VA
IP rating	IP22
Case material	PC ABS
Sound output	19 dBA
Controls lock out feature	Yes
Suppress audible alarm option	Yes
Alarm pause	Yes (15 mins)
Skin IQ adapter part number**	Power cable 636377



ATMOSAIR VELARIS STRECHER TROLLEY (ST) MATTRESS		
Cover fabric options	Dartex Reliant (welded)	Dartex Premium (welded)
Standard sizes* mm (in)	670 x 1950 x 130 (26 x 77 x 5) 762 x 1910 x 130 (30 x 75 x 5) 660 x 1910 x 130 (26 x 75 x 5)	660 x 1910 x 130 (26 x 75 x 5) 670 x 1950 x 130 (26 x 77 x 5) 762 x 1910 x 130 (30 x 75 x 5)
Ability to connect to AtmosAir Velaris alternating pressure pump	No	No
Weight of mattress	9 kg (20 lbs) - 10 kg (22 lbs)	9 kg (20 lbs) - 10 kg (22 lbs)
Max patient weight limit	250 kg (550 lbs)	250 kg (550 lbs)

ATMOSAIR VELARIS SEAT CUSHION		
Cover fabric options	Dartex Reliant (welded)	Dartex Premium (welded)
Standard sizes	432 x 432 x 100 (17 x 17 x 4) 432 x 432 x 100 (17 x 17 x 4)	457 x 457 x 100 (18 x 18 x 4) 457 x 457 x 100 (18 x 18 x 4)
Ability to connect to AtmosAir Velaris alternating pressure pump	No	No
Weight of cushion	1.5 kg (3 lbs)	1.5 kg (3 lbs)
Maximum patient weight	250 kg (550 lbs)	250 kg (550 lbs)



\* Sizes outside of standard range may be available, please contact your Arjo representative to discuss requirements  
 \*\* Does not come with AtmosAir Velaris Pump or Skin IQ coverlet; needs to be ordered separately  
 \*\*\* Not available in Seat Cushion and AtmosAir Velaris Plus