

AtmosAir Velaris®



Full pressure
offloading¹
with AltoVac®
technology

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

AtmosAir Velaris accommodates a '**One Surface Strategy**' as it can replace all but the most advanced automatic surfaces with one easy to use, flexible mattress system.

When connected to the pump, AtmosAir Velaris transforms into an alternating therapy surface that can achieve full pressure offloading with AltoVac® technology.

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

Product features

ARM®

Redistributes air between the cells to maintain a predefined level of pressure

Covers designed for infection control

Available in Dartex Reliant or Premium covers with welded seams and handles, cable management loops, watershed flap over the zipper, and 360° zip allowing complete removal for ease of cleaning and disinfection

Heel zone

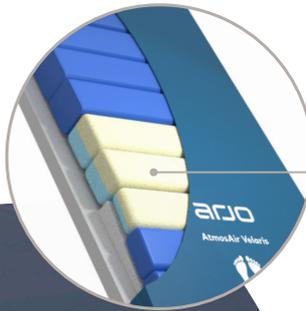
Active air cells extend all the way to the heel area, which is designed with a 6° slope to further enhance full pressure offloading

AltoVac®

Connect the pump to deliver active (alternating) therapy with AltoVac vacuum technology, which achieves full pressure offloading when cells are compressed¹

Plus size mattress option

The AtmosAir Velaris pump works with AtmosAir Velaris standard and plus size mattresses, enabling active therapy for patients up to 454kg (1000 lbs)

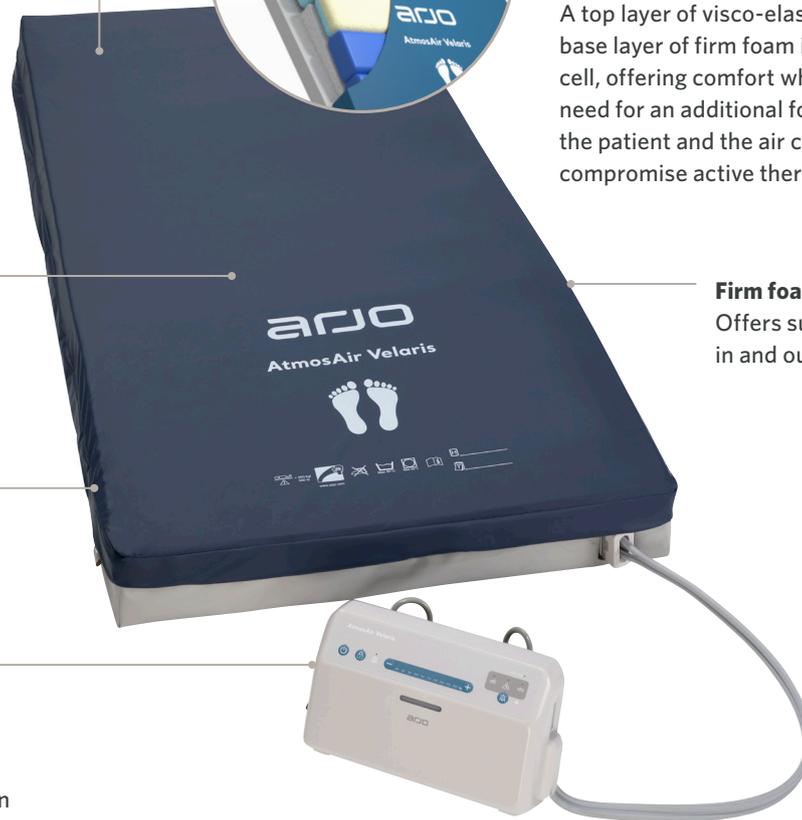


Foam filled air cells

A top layer of visco-elastic foam and a base layer of firm foam is built into each air cell, offering comfort while eliminating the need for an additional foam layer between the patient and the air cells which can compromise active therapy

Firm foam perimeter

Offers support for getting in and out of bed



Automatic dimming LEDs

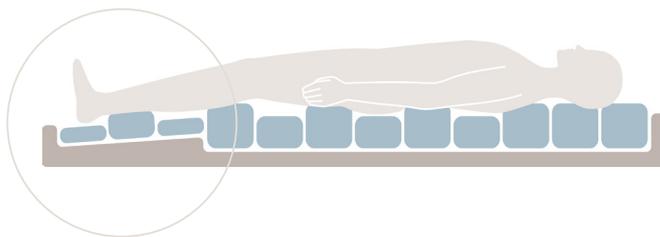
Pump lights automatically dim when built-in sensors detect dark ambience

QuietConcept™

Silent operation at 19 dB(A)

Full pressure offloading with AltoVac

During active mode, the AltoVac technology effectively compresses the foam filled air cells to achieve full pressure offloading¹ until the cells are inflated again. Due to the controlled inflation and built-in foam construction, Velaris also offers immersion and envelopment that reduces peak pressures when cells are inflated.



Accommodates a 'One Surface Strategy'

AtmosAir Velaris delivers alternating pressure therapy in active (powered) 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 the majority of patient profiles. AtmosAir Velaris is approved for use in acute care, long term care and home care facilities.

ATMOSAIR VELARIS RANGE	ARM®	ALTOVAC® ALTERNATING PRESSURE
AtmosAir Velaris Standard Mattress	Yes	Yes (when connected to AtmosAir Velaris Pump)
AtmosAir Velaris Plus Mattress	Yes	Yes (when connected to AtmosAir Velaris Pump)
AtmosAir Velaris Stretcher Trolley (ST) Mattress	Yes	No
AtmosAir Velaris Seat Cushion	Yes	No



Reference:

1. Clark M (2021), Comparative Testing of Interface Pressure Performance of Seven Hybrid Surface Technologies Using a Weighted Mannequin. Arjo whitepaper.

Specifications

ATMOSAIR VELARIS RANGE

Top cover fabric options	Dartex Reliant or Premium
PVC free	Yes
Welded seams & handles as standard	Yes
Mattress fire tests**	BS7177 (BS597-1, BS597-2, BS6807 Clause 9-Ignition source 5), 16CFR1632, 16CFR1633, CAL TB 129
Firesock as standard	Yes

ATMOSAIR VELARIS STANDARD MATTRESS

Top cover fabric options	Dartex Reliant or Premium
Standard sizes* (W x L x H)	810 x 2000 x 180 mm (32 x 79 x 7 in) 860 x 1980 x 180 mm (34 x 78 x 7 in) 880 x 2020 x 180 mm (35 x 80 x 7 in) 880 x 2140 x 180 mm (35 x 84 x 7 in) 900 x 2000 x 180 mm (35 x 79 x 7 in) 1070 x 2000 x 180 mm (42 x 79 x 7 in)
Ability to connect to AtmosAir Velaris alternating pressure pump	Yes
Weight of mattress	15.0 kg (33 lb) - 17.5 kg (39 lb)
Maximum patient weight	250 kg (550 lb)
Expected service life	5 years



ATMOSAIR VELARIS PLUS MATTRESS

Top cover fabric options	Dartex Reliant or Premium
Standard sizes* (W x L x H)	1220 x 2140 x 180 mm (48 x 84 x 7 in)
Ability to connect to AtmosAir Velaris alternating pressure pump	Yes
Weight of mattress	24 kg (53 lb)
Maximum patient weight	454 kg (1000 lb)
Expected service life	5 years



ATMOSAIR VELARIS ALTERNATING PRESSURE PUMP

Size (W x L x H)	337 x 107 x 200 mm (13.3 x 4.2 x 7.9 in)
Weight	4.1 kg (9 lb)
Altalternating cycle time	10 minutes
Supply voltage	100 - 230 V, 50-60 Hz
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)
Expected service life	7 years



ATMOSAIR VELARIS STRECHER TROLLEY (ST) MATTRESS

Top cover fabric options	Dartex Reliant or Premium
Standard sizes* (W x L x H)	660 x 1910 x 130 mm (26 x 75 x 5 in) 670 x 1950 x 130 mm (26 x 77 x 5 in) 762 x 1910 x 130 mm (30 x 75 x 5 in)
Ability to connect to AtmosAir Velaris alternating pressure pump	No
Weight of mattress	9 kg (20 lb) - 10 kg (22 lb)
Maximum patient weight	250 kg (550 lb)
Expected service life	5 years



ATMOSAIR VELARIS SEAT CUSHION

Top cover fabric options	Dartex Reliant or Premium
Standard sizes (W x L x H)	432 x 432 x 100 mm (17 x 17 x 4 in) 457 x 457 x 100 mm (18 x 18 x 4 in)
Ability to connect to AtmosAir Velaris alternating pressure pump	No
Weight of cushion	1.5 kg (3 lb)
Maximum patient weight	250 kg (550 lb)
Expected service life	5 years



- * Please contact your Arjo representative to enquire about product availability and ordering custom sizes
- ** Standards not applicable to Velaris Seat Cushion