

**Skin IQ** – Supporting the treatment and prevention of pressure injuries\*

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\* Skin IQ™ is indicated for use in conjunction with a pressure redistribution surface in order to aid in the prevention and treatment of skin breakdown and pressure ulcers (Stage I-IV) for patients who require microclimate management of the skin

# Pressure injuries: A significant burden

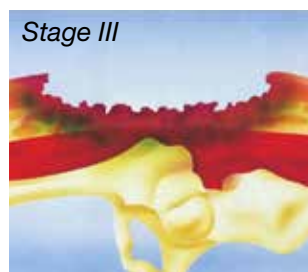
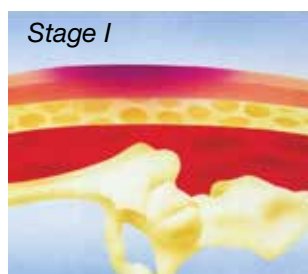
**Pressure injuries** represent a serious burden for healthcare facilities, driving up cost, compromising patient outcomes and straining caregiver resources. The average cost of treating a Stage IV pressure injury exceeds \$120 000.<sup>1</sup>

There are five key risk factors in the development of a pressure injury: pressure, shear, friction, temperature and moisture.

**Microclimate management** is the regulation of heat and moisture between the skin and support surface. The NPUAP and EPUAP\* recommend microclimate management be considered when selecting a support surface cover for the prevention of pressure injuries.<sup>2</sup>

\* National Pressure Ulcer Advisory Panel and European Pressure Ulcer Advisory Panel.

## Pressure injuries – Stage I-IV



Pressure injuries are graded from stages I to IV, categorising the wound from non-blanchable redness over a bony prominence to full skin loss and the destruction of tendon and bone.<sup>2</sup>



# Skin IQ – The forefront of versatile **microclimate management**

**Skin IQ™ is the first powered coverlet** to support and optimise the treatment and prevention of pressure injuries through advanced microclimate management. The coverlet protects fragile skin by enhancing the control of temperature

and moisture between the skin and mattress to keep your patient cool and dry<sup>3</sup>. Offering streamlined compatibility and versatility, the coverlet can be added to all standard pressure redistribution surfaces.

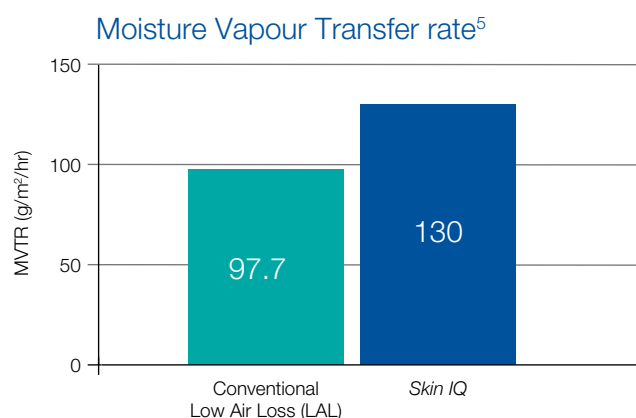


Bench studies<sup>2</sup> show that *Skin IQ* removes 3.8 times more moisture at the skin/mattress interface than the same mattress without *Skin IQ*.<sup>4</sup>



## Supporting and optimising **the treatment and prevention of pressure injuries**

- Negative Airflow Technology™ keeps the patient's skin cool and dry at the mattress interface
- High Moisture Vapour Transfer rate delivers outstanding breathability<sup>5</sup>
- Liquid impermeable layer protects the supporting surface from any excess fluid or exudate
- Vapour permeable top layer protects compromised skin integrity from shear and friction<sup>6</sup>
- Bacterial and viral barrier reduces the risk of infection and cross-contamination<sup>7,8</sup>
- Coverlet design is easy to attach and remove
- Odour control supports both caregiver workflow and patient comfort<sup>9</sup>





*Skin IQ* significantly improves the level of patient comfort and satisfaction of a pressure redistributing surface.<sup>10</sup>

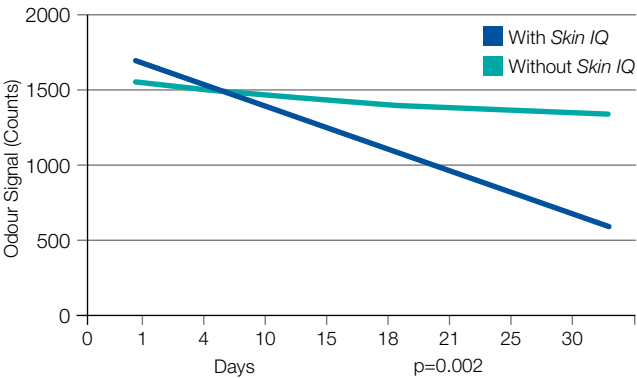
***Skin IQ* minimises the growth of *Staphylococcus aureus*** when compared to a standard hospital bed sheet. After 24 hours on *Skin IQ*, 98% of this bacteria was eliminated with 99% less bacteria overall than the comparable control surface.<sup>7</sup>

***Skin IQ* significantly reduces odour** at the skin/mattress interface when compared to the same surface without airflow.<sup>9</sup>

Staphylococcus Aureus Growth Reduction<sup>7</sup>



Odour Reduction at 30 days<sup>9</sup>



# A full range for **enhanced versatility**

With a range that includes multi-patient use, single patient use and plus size patient care, *Skin IQ* ensures versatility across the diverse needs of busy care facilities and patient types.



Further enhance your pressure injury prevention and treatment efficiency



#### **Pressure IQ Evolve™**

*Pressure IQ Evolve* is the best-in-class non-powered therapeutic Mattress Replacement System (MRS) with Self-Adjusting Technology™ (SAT) specifically designed for the prevention and treatment of stage I-IV pressure injuries.



#### **Citadel™ bed range**

Covering all patient acuity levels across multiple care settings, the *Citadel* bed range offers a universal platform for therapeutic support surfaces. *Citadel* offers a compatible *Skin IQ* outlet, enabling the user to effectively manage patient microclimate.

# Product specifications

Electrical	Max. Electrical Leakage	Environmental Conditions
<p>All - Voltage 100 - 240 VAC</p> <p>All - Frequency 50/60 Hz</p> <p>All - Ampere Rating 0.5A</p>	<p>All - (100 uA at 115 VAC 60Hz) and (200 uA at 230 VAC 50Hz)</p> <p><i>Skin IQ</i> MCM &amp; 1000 - Power Cord Length 6 m (20 ft)</p> <p><i>Skin IQ</i> 365 - Power Cord Length 6 m (20 ft)</p>	<p><b>Operation</b></p> <p><i>Skin IQ</i> MCM &amp; 1000 - Temperature Range 14°C (57.2°F) to 35°C (95°F)</p> <p><i>Skin IQ</i> 365 - Temperature Range 0°C (32°F) to 40°C (104°F)</p> <p><b>Transport/Storage</b></p> <p><i>Skin IQ</i> MCM &amp; 1000 - Temperature Range -29°C (20.2°F) to 60°C (140°F)</p> <p><i>Skin IQ</i> 365 - Temperature Range -29°C (-20.2°F) to 75°C (167°F)</p>

## *Skin IQ* MCM – Single patient use coverlet

Product information	Compatibility
<p>Max. safe working load 227 kg (500 lbs). Recommended duration of use for single patient is not more than 60 days for patients 172 kg (380 lbs). Duration of use for patients weighing 172 kg (380 lbs) - 227 kg (500 lbs) is not to exceed more than 30 days. Moisture Vapour Transfer Rate (MVTR) 130 (g/m<sup>2</sup>/hr).<sup>11</sup></p>	<p>The <i>Skin IQ</i> MCM is designed to fit on a pressure redistribution surface that is 203.2 - 213.4 cm (80 - 84 in) long by 88.9 - 91.4 cm (35 - 36 in) by 17.8 - 20.3 cm (7 - 8 in) high. Consult product labelling for the pressure redistribution surface and / or bed frame for compatibility.</p> <p>Additional weight limitations may apply.</p>

## *Skin IQ* 365 – Multiple patient use coverlet

Product information	Compatibility
<p>Max. safe working load 227 kg (500 lbs). Useful life of this product is one year or 35 laundry cycles, whichever comes first. Moisture Vapour Transfer Rate (MVTR) 171 (g/m<sup>2</sup>/hr).<sup>12</sup></p>	<p><i>Skin IQ</i> 365 is designed to fit on a pressure redistribution surface that is 203.2 - 213.4 cm (80 - 84 in) long by 88.9 - 91.4 cm (35 - 36 in) by 17.8 - 20.3 cm (7 - 8 in) high. Consult product labelling for the pressure redistribution surface and / or bed frame for compatibility.</p> <p>Additional weight limitations may apply.</p>

## *Skin IQ* 1000 – Plus size single patient use coverlet

Product information	Compatibility
<p>Max. safe working load 453.59 kg (1000 lb). Recommended duration of use for single patient is not more than 60 days for patients 453.5 kg (1000 lb). Moisture Vapour Transfer Rate (MVTR) 165 (g/m<sup>2</sup>/hr).<sup>13</sup></p>	<p><i>Skin IQ</i> 1000 is designed to fit on a pressure redistribution surface that is 203.2 cm - 213.4 cm (80 - 84 in) by 121.9 cm (48 in) wide by 17.8 - 20.3 cm (7 - 8 in) high. Consult product labelling for the pressure redistribution surface and / or bed frame for compatibility.</p> <p>Additional weight limitations may apply.</p>

## Skin IQ 365 Part Numbers

Part #	Name	Description	IFU	Plug
SIQCPRUS1UN	SIQ 365 Complete Kit	Skin IQ 365 Coverlet Fan Powercord	Universal	Universal
SIQCORUS1UN	SIQ 365 Coverlet Only Kit	Skin IQ 365 Coverlet Only	Universal	Universal
SIQFNRU04UN	Fan Kit, SIQ 365 (4PK)	Skin IQ 365 Fan Only 4 Pack	Universal	Universal
SIQPSRU04UN	PWR Supply Kit, SIQ 365 (4PK)	Skin IQ 365 Power Supply Only 4 Pack	Universal	Universal

## Skin IQ Disposable Part Numbers

Part #	Name	Description	IFU	Plug
SIQCPSTS1AU	SIQ Disposable, Individual Unit	Complete Kit, Coverlet and powercord	Multi Language	Australian
SIQCPSTS1CH	SIQ Disposable, Individual Unit	Complete Kit, Coverlet and powercord	Multi Language	Switzerland
SIQCPSTS1EU	SIQ Disposable, Individual Unit	Complete Kit, Coverlet and powercord	Multi Language	Euro
SIQCPSTS1IT	SIQ Disposable, Individual Unit	Complete Kit, Coverlet and powercord	Multi Language	Euro
SIQCPSTS1UK	SIQ Disposable, Individual Unit	Complete Kit, Coverlet and powercord	Multi Language	UK
SIQCPSTS1US	SIQ Disposable, Individual Unit	Complete Kit, Coverlet and powercord	English	USA
SIQCPST04AU	SIQ Disposable, case of 4	Complete Kit, Coverlet and powercord	Multi Language	Australian
SIQCPST04CH	SIQ Disposable, case of 4	Complete Kit, Coverlet and powercord	Multi Language	Switzerland
SIQCPST04EU	SIQ Disposable, case of 4	Complete Kit, Coverlet and powercord	Multi Language	Euro
SIQCPST04IT	SIQ Disposabile, case of 4	Complete Kit, Coverlet and powercord	Multi Language	Euro
SIQCPST04UK	SIQ Disposable, case of 4	Complete Kit, Coverlet and powercord	Multi Language	UK
SIQCPST04US	SIQ Disposable, case of 4	Complete Kit, Coverlet and powercord	English	USA
SIQCOSTS1UN	SIQ Disposable, Single Unit	Coverlet Only	n/a	n/a
SIQCOST04UN	SIQ Disposable, case of 4	Coverlet Only	n/a	n/a
SIQTSST04UC	Power Supply, case of 4	SIQ Disposable, Power cord only	n/a	n/a

## SIQ Disposable- Bariatric

Part #	Name	Description	IFU	Plug
SIQCPBAS1AU	SIQ Disposable, Individual Unit	Bariatric SIQ	Multi Language	Australian
SIQCPBAS1CH	SIQ Disposable, Individual Unit	Bariatric SIQ	Multi Language	Switzerland
SIQCPBAS1EU	SIQ Disposable, Individual Unit	Bariatric SIQ	Multi Language	Euro
SIQCPBAS1IT	SIQ Disposable, Individual Unit	Bariatric SIQ	Multi Language	Euro
SIQCPBAS1UK	SIQ Disposable, Individual Unit	Bariatric SIQ	Multi Language	UK
SIQCPBAS1US	SIQ Disposable, Individual Unit	Bariatric SIQ	English	USA
SIQCOBAS1UN	SIQ Disposable, Single Unit	Bariatric Coverlet Only	n/a	n/a

### References:

1. Brem H, Maggi J, Nierman D, Rolnitzky L, Bell D, Rennert R, Golinko M, Yan A, Lyder C, Vladeck B. High cost of stage IV pressure ulcers. *Am J Surg* 2010;200:473-7

2. National Pressure Ulcer Advisory Panel, European Pressure Ulcer Advisory Panel and Pan Pacific Pressure Injury Alliance. Prevention and Treatment of Pressure Ulcers: Quick Reference Guide. <http://www.internationalguideline.com/static/pdfs/NPUAP-EPUAP-PPPIA-PUQuickReferenceGuide-2016update.pdf>

3,4,5,6,7,8,9,10,11,12,13. Data on file

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ArjoHuntleigh is a world-leading provider of integrated products and solutions that improve the lives of patients and residents with reduced mobility. We help healthcare facilities deliver wellness and effective everyday care, early mobilisation, safe patient handling, venous thromboembolism prevention, pressure injury prevention, personal hygiene, bariatric care and diagnostics. With extensive knowledge and experience, we strive to improve efficiency and ensure a safer and dignified environment for caregivers and their patients.