



Hillrom™

# PRO+ SURFACE

Significantly reduce HAIs and  
enhance the patient experience





## MORE COMPLEX PATIENTS INCREASED RISK OF COMPLICATIONS

While most occurrences of hospital acquired conditions decreased, pressure injuries have increased by 6%.<sup>1</sup>



### 30% INCREASE

in severe pressure injuries in academic medical centers between 2015–2017.<sup>2</sup>



### 2.5 MILLION PATIENTS

develop hospital acquired pressure injuries (HAPIs) annually, representing 8.3% of hospital admissions.<sup>3,4</sup>



### \$3.3–\$11 BILLION

estimated annual cost of care from pressure injuries.<sup>3,4</sup>





**Empowering you to care for your complex patients while helping to improve patient outcomes and the patient experience.**

**WHAT THE PRO+ SURFACE  
CAN DO FOR YOU**

CLICK ON EACH ICON TO LEARN MORE





## OPTIMIZE OUTCOMES TO MAXIMIZE INVESTMENT

Proven to significantly reduce HAIs, among other clinical and economic benefits

Hillrom worked closely with caregivers, risk managers and purchasing managers to develop a surface that reimagines the delivery of low air loss therapy.

In partnership with the National Pressure Injury Advisory Panel (NPIAP), we developed standardized testing of surface performance to deliver surfaces that provide optimal wound prevention and healing.



STANDARDIZED SURFACE PERFORMANCE TESTS WERE DEVELOPED FOR:



PRESSURE



SHEAR AND FRICTION



HEAT



MOISTURE




OVERVIEW

# OPTIMIZE OUTCOMES TO MAXIMIZE INVESTMENT

Learn more about pressure injury prevention with additional resources:

**Hillrom.** ENHANCING PRESSURE INJURY PREVENTION STRATEGIES BASED ON NEW GUIDELINES  
From learning more to doing better



**PREVENTION RATES OVER TIME**

According to a 2019 study published in the Journal of the American Medical Association, the prevalence of pressure injuries in the United States increased from 1.3% in 2010 to 1.8% in 2017. The study also found that the prevalence of pressure injuries in the United States increased from 1.3% in 2010 to 1.8% in 2017. The study also found that the prevalence of pressure injuries in the United States increased from 1.3% in 2010 to 1.8% in 2017.


**\$3.3-\$11 billion annually**

## THE NEXT LAYER

Preventing pressure injuries begins with you. Learn more about strategies based on recent updates and guidelines from The National Pressure Injury Advisory Panel (NPIAP).

[READ THE WHITEPAPER](#)

**How to Detect and Prevent Pressure Injuries**



Pressure injuries are a major issue for patients, with an estimated 2.3 million treated each year in the United States. These so-called pressure ulcers, pressure injuries are localized damage to the skin and underlying tissue.

For the patient, pressure injuries can create an average of:

- 57% longer length of stay
- 22% higher rate of readmission within 30 days
- 3x higher mortality

## DETECT AND PREVENT PRESSURE INJURIES

Preventing and treating pressure injuries is important for minimizing cost and enhancing the patient experience.

[CLICK TO VIEW](#)





SOLUTIONS

# OPTIMIZE OUTCOMES TO MAXIMIZE INVESTMENT

CLICK ON EACH HOTSPOT TO LEARN MORE



**REDUCE  
OPERATIONAL  
SPEND**

**REMOVE MORE HEAT  
AND MOISTURE<sup>5</sup>**

**REDUCE SACRAL  
PRESSURE<sup>6</sup>**



# OPTIMIZE OUTCOMES TO MAXIMIZE INVESTMENT

CLICK ON EACH HOTSPOT TO LEARN MORE



On-demand therapy reduces the need to rent.

REDUCE  
OPERATIONAL  
SPEND

REMOVE MORE HEAT  
AND MOISTURE<sup>5</sup>

REDUCE SACRAL  
PRESSURE<sup>6</sup>



# OPTIMIZE OUTCOMES TO MAXIMIZE INVESTMENT

CLICK ON EACH HOTSPOT TO LEARN MORE



Advanced Microclimate® therapy removes 4x more moisture and 2.5x more heat than the leading competitor.

REDUCE OPERATIONAL SPEND

REMOVE MORE HEAT AND MOISTURE<sup>5</sup>

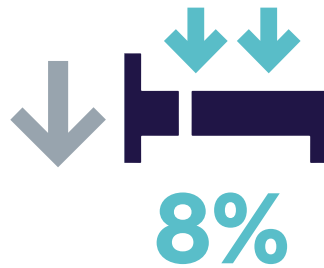
REDUCE SACRAL PRESSURE<sup>6</sup>





# OPTIMIZE OUTCOMES TO MAXIMIZE INVESTMENT

CLICK ON EACH HOTSPOT TO LEARN MORE



Customized, non-powered pressure redistribution reduces peak sacral pressure up to 8%.

REDUCE OPERATIONAL SPEND

REMOVE MORE HEAT AND MOISTURE<sup>5</sup>

REDUCE SACRAL PRESSURE<sup>6</sup>



 OVERVIEW

## STREAMLINE CARE

### Empower caregivers to initiate and adjust Advanced Microclimate® therapy in seconds

Remove excess heat and moisture with Advanced Microclimate® therapy that continually circulates air from the seat to the head.

This allows you to accommodate more patients by addressing increased pressure injury risk levels.



### MAXIMUM WEIGHT

Provides therapy for patients up to 500 pounds.





SOLUTIONS

# STREAMLINE CARE

CLICK ON EACH HOTSPOT TO LEARN MORE

INTERNAL PUMP

INTUITIVE STATUS INDICATOR



FUTURE-PROOF DESIGN





SOLUTIONS

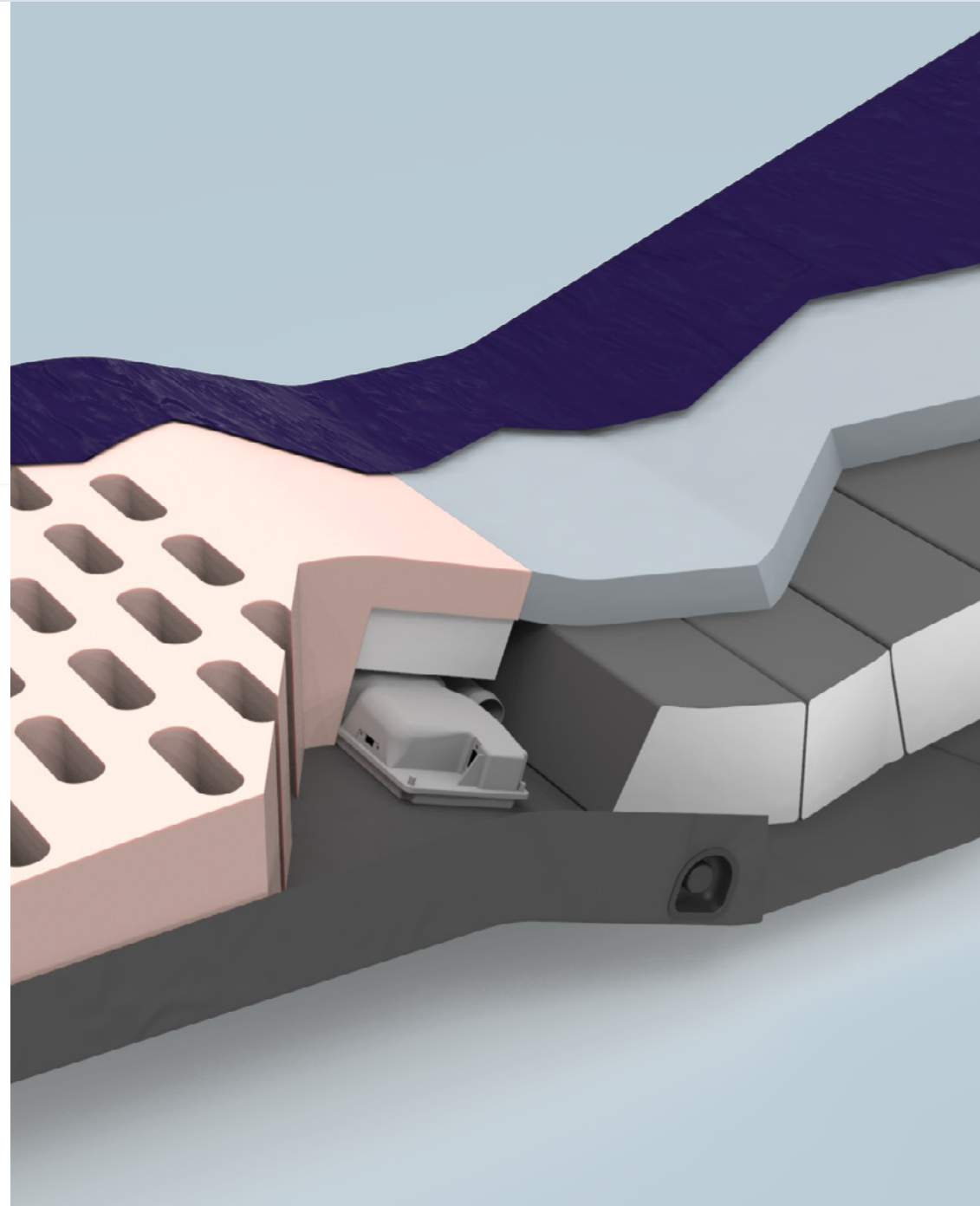
## STREAMLINE CARE

### Internal pump

Eliminate the wait time and effort required to install an external pump or transfer a patient to another low air loss surface.

### Caregiver risk reduction

Reduce the need to transfer patients to another surface, which is often associated with caregiver injury.





## STREAMLINE CARE

### Intuitive status indicator

See whether Advanced Microclimate® therapy is activated by checking an indicator puck.





SOLUTIONS

# STREAMLINE CARE

## Future-proof design

Designed to meet your step or flat deck frame configurations.

If you're not ready for a new bed frame, invest in a flat deck design today and use it on a Centrella® Smart+ Bed tomorrow.



LEARN MORE



STEP DECK FRAME



FLAT DECK FRAME





## ENHANCE THE PATIENT EXPERIENCE

### Offer patients a more comfortable, quiet experience

Let patients sleep, rest and focus on recovering, because no detail is too minor when it comes to improving patient satisfaction.





SOLUTIONS

## ENHANCE THE PATIENT EXPERIENCE

[CLICK TO LEARN MORE](#)







SOLUTIONS

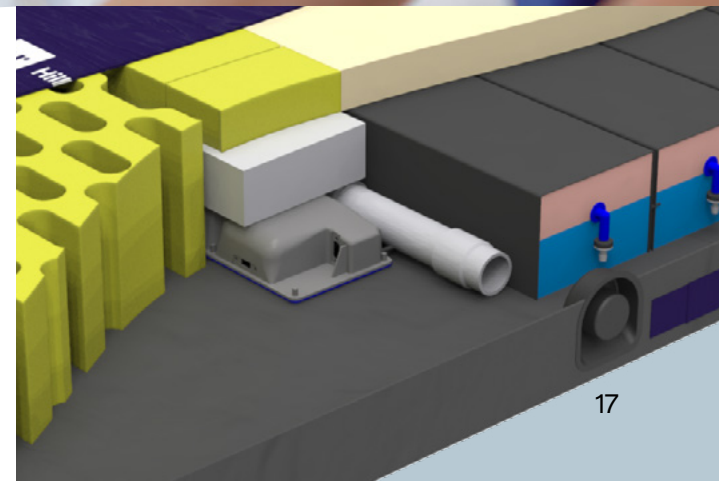
# ENHANCE THE PATIENT EXPERIENCE

CLICK TO LEARN MORE

IMPROVE REST



Integrated pump is 36% quieter than comparable surfaces.<sup>5</sup>





SOLUTIONS

# ENHANCE THE PATIENT EXPERIENCE

[CLICK TO LEARN MORE](#)

REDUCE DISRUPTIONS



**Fewer patient transfers and improved patient comfort with the integrated Advanced Microclimate® therapy and the optional X-ray sleeve.**





SOLUTIONS

# ENHANCE THE PATIENT EXPERIENCE

[CLICK TO LEARN MORE](#)

HIGHER PERFORMANCE



**Advanced Microclimate® therapy uses circulating air to remove excess heat and moisture from the skin.**





## HELP IMPROVE PATIENT & CAREGIVER SAFETY

### Prevent infection and cross contamination

The internal pump keeps patients and caregivers safe by helping to prevent infection and cross contamination, and removes tripping hazards by reducing cords and clutter at the foot of the bed.





SOLUTIONS

# HELP IMPROVE PATIENT & CAREGIVER SAFETY

CLICK ON EACH HOTSPOT TO LEARN MORE

MEET INTERNATIONAL SURFACE TESTING STANDARDS

REMOVE POTENTIAL INFECTION SOURCE



PROTECT SURFACE CORE

REMOVE TRIPPING HAZARDS



SOLUTIONS

# HELP IMPROVE PATIENT & CAREGIVER SAFETY

## Protect surface core

Welded seams and fluid-resistant zippers help prevent fluid, virus, bacteria and odor from penetrating the surface.





SOLUTIONS

## HELP IMPROVE PATIENT & CAREGIVER SAFETY

### Remove tripping hazards

Fewer cords and wires with the internal pump help keep the floor clear for patients and caregivers.



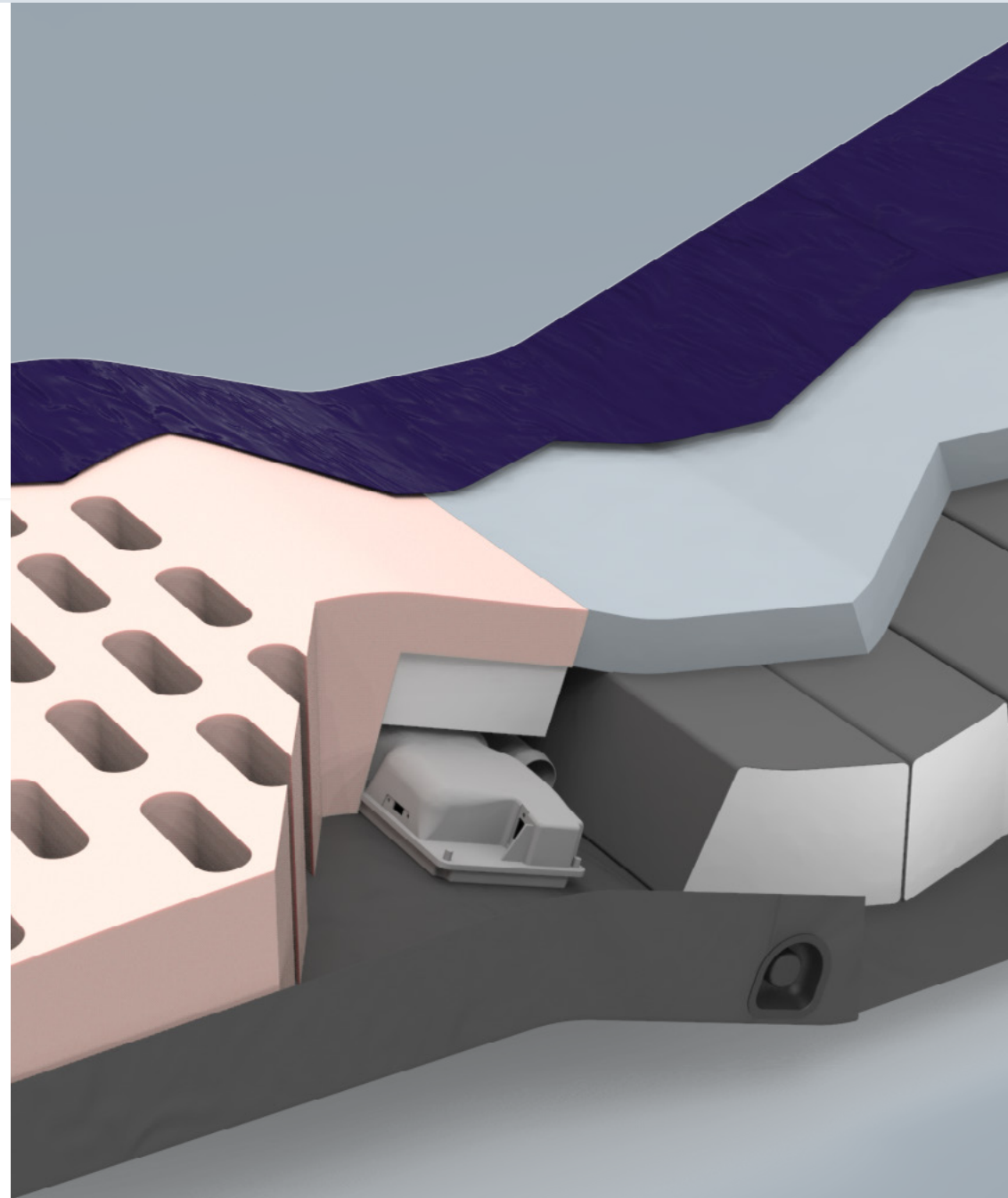


SOLUTIONS

## HELP IMPROVE PATIENT & CAREGIVER SAFETY

### Remove potential infection source

Make it easier and less time-consuming to clean the surface since there's no external pump to decontaminate. The surface can also be cleaned with a broad spectrum of disinfectants.





**SOLUTIONS**

# HELP IMPROVE PATIENT & CAREGIVER SAFETY

## Establishing international standards

### WHAT IS RESNA TESTING?

International, standardized testing for surfaces to address surface-related pressure injury risk factors.

### WHY ESTABLISH STANDARDS?

The lack of standardized performance data for surfaces makes purchase decisions difficult.

### WHO WAS INVOLVED?

- NPIAP Support Surfaces Standards Initiative (S31)
- Rehabilitation Engineering and Assistive Technology of North America





## COMMITTED TO ADDRESSING EVERY PATIENT'S NEED

The pro+ surface shows our ongoing commitment to deliver what your facility needs to address an increasingly complex patient population. A trusted name for more than a century, Hillrom will continue to bring truly advanced surfaces to market.



### REFERENCES

1. AHRQ, 2019 National Scorecard on Hospital-Acquired Conditions 2014-2017.
2. Padula, WV, Black, JM, Davidson, PM, et al. "Adverse Effects of the Medicare PSI-90 Hospital Penalty System on Revenue-Neutral Hospital Acquired Conditions." *J Patient Saf*, vol. 16, no. 2, Jun. 2020, pp. e97-e102.
3. Padula, WV, and BA Delarmente. "The National Cost of Hospital-Acquired Pressure Injuries in the United States." *Int Wound J*, 2019, pp. 1-7.
4. Alderden, J, et al. "Outcomes Associated With Stage 1 Pressure Injuries: A Retrospective Cohort Study." *Am J Crit Care*, vol. 27, no. 6, Nov. 2018, pp. 471-476.
5. Ramegowda, J. 2019. Data on file.
6. Hillrom Internal Test Results. Data on file.

Hill-Rom reserves the right to make changes without notice in design, specifications and models. The only warranty Hill-Rom makes is the express written warranty extended on the sale or rental of its products.