

how
smart
is it?



SmartGown™
by Convertors



you'll be amazed at how **smart** it is...
but it's also **COOL** and **tough**, too.

It's like nothing you've ever seen before. Are you ready?

Meet the surgical gown that's going to change the way you think about

breathable, impervious technology





the

smart

choice



SmartGown™

smart



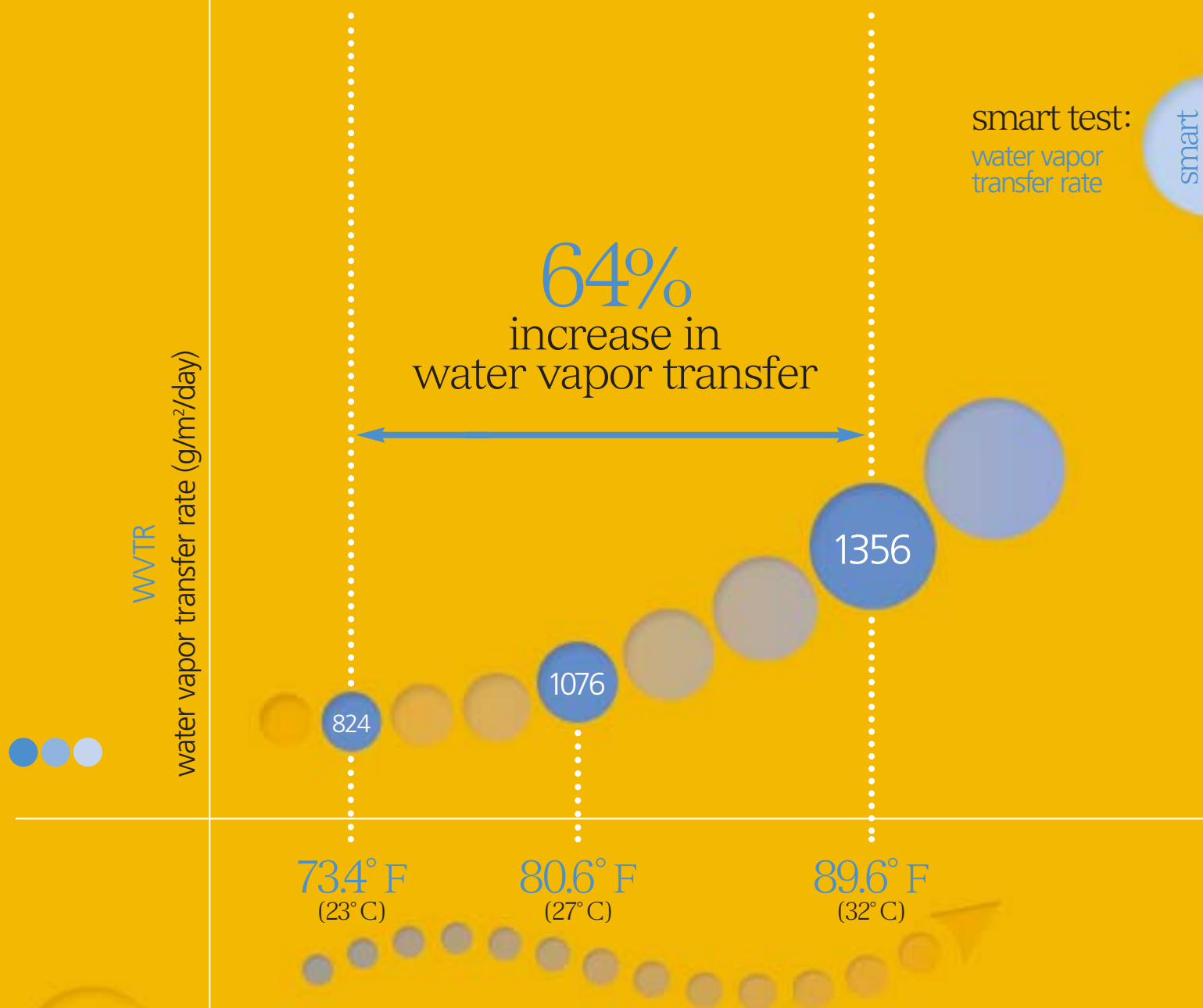
It's **breathable, impervious technology** with an innovative twist.





Responsive membrane reacts to changing temperature.

When **temperature** or stress **increases**, your body responds by increasing your rate of perspiration. Ideally, that moisture can evaporate and provide the desired cooling effect. But when that moisture is trapped by a non-breathable fabric, or it can't escape fast enough, things can get downright uncomfortable. SmartGown™ surgical gowns take the concept of a breathable **fabric** one step further with a material that **reacts** to increasing temperature by **increasing** its **water vapor transfer rate**. To test the reactive qualities of SmartGown's unique material, the water vapor transfer rates were measured at three different temperatures. As you can see, each time the temperature rises, the amount of water vapor that escapes from the material also increases, by as much as **64 percent** overall. And, the more water vapor that's allowed to escape, the **cooler** and more comfortable you'll stay.



the higher the temperature,
the harder SmartGown™ works





.....the cool conditions ●●●

●●● Designed for
maximum comfort.





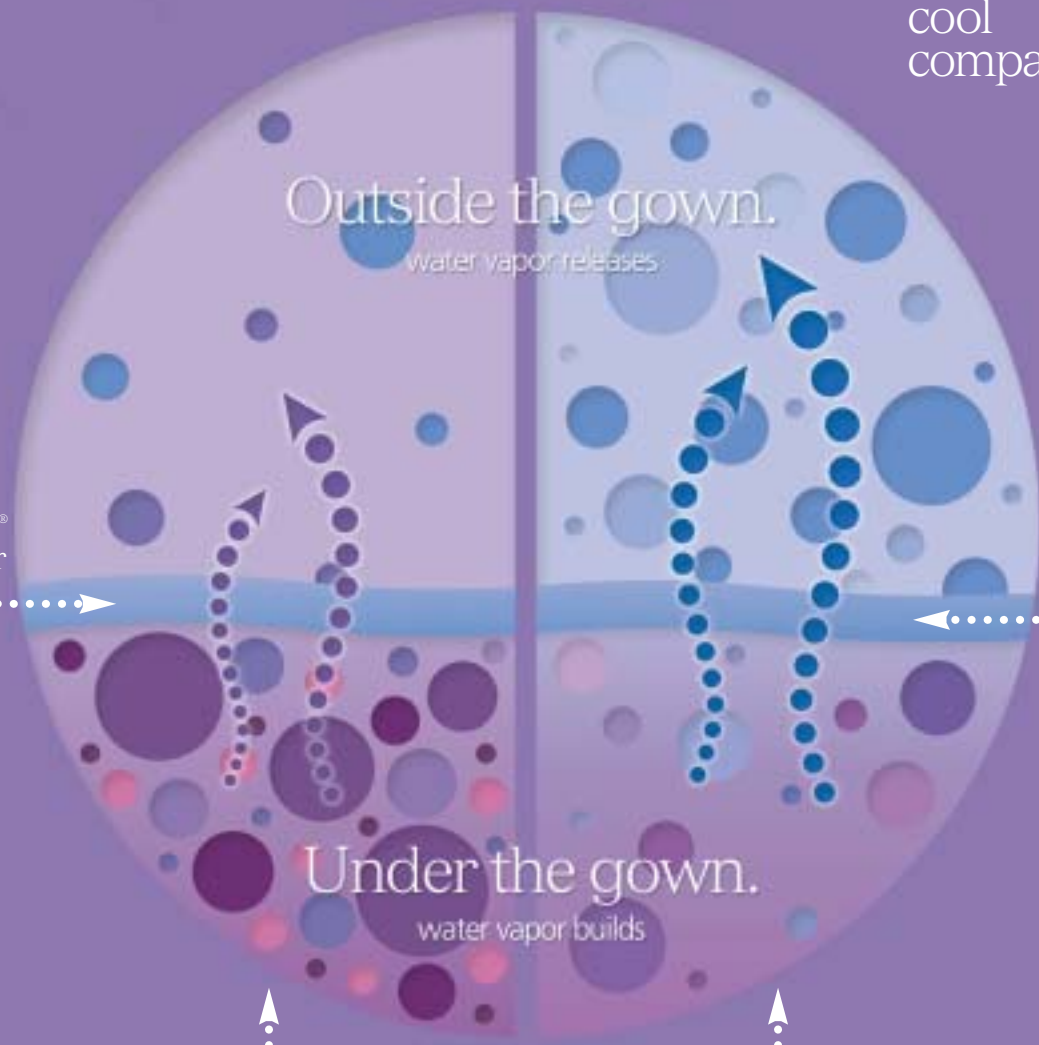
the **cool** details...

Lightweight and breathable fabric.

You've got enough concerns in your day. The last thing you need is an uncomfortable, poorly fitting surgical gown that doesn't breathe. SmartGown™ surgical gowns are designed for maximum **comfort** and wearability. The **generously sized shoulder and sleeve** area gives you plenty of room to move and keep the **air circulating**. Combine that generous sizing with the responsive membrane that breathes more than Kimberly-Clark's MicroCool® Surgical Gown, and now you've got maximum comfort! No longer do you have to choose between comfort and protection — you get all the benefits of an impervious gown without sacrificing the **lightweight**, breathable comfort you prefer.



cool
comparison



Outside the gown.
water vapor releases

MicroCool[®]
fabric layer

SmartGown[™]
fabric layer

Under the gown.
water vapor builds

Kimberly-Clark
MicroCool[®]
WVTR = 1266²

Allegiance
SmartGown[™]
WVTR = 1356¹

¹Request #080601 ²Request #100801 completed Fall 2001.





.....the tough construction ●●●





Impervious main seams on sleeves.





the tough performance...

SmartGown™ has been tested and meets ASTM F1670* and F1671* requirements.

So, this innovative surgical gown is both smart and cool, but how does it stand up to the challenges of real-world use? Just how **tough** is it? Extremely. SmartGown™ surgical gowns are manufactured with a no-compromises approach to quality and protection. Not only does the **FDA** recognize the gown fabric as being **impervious**, but also the **main seams** on the sleeves. Our proprietary sealing process creates a **continuous bond** along the length of the seam, eliminating the gaps that can occur with other sealing methods and providing you impervious protection where you need it.

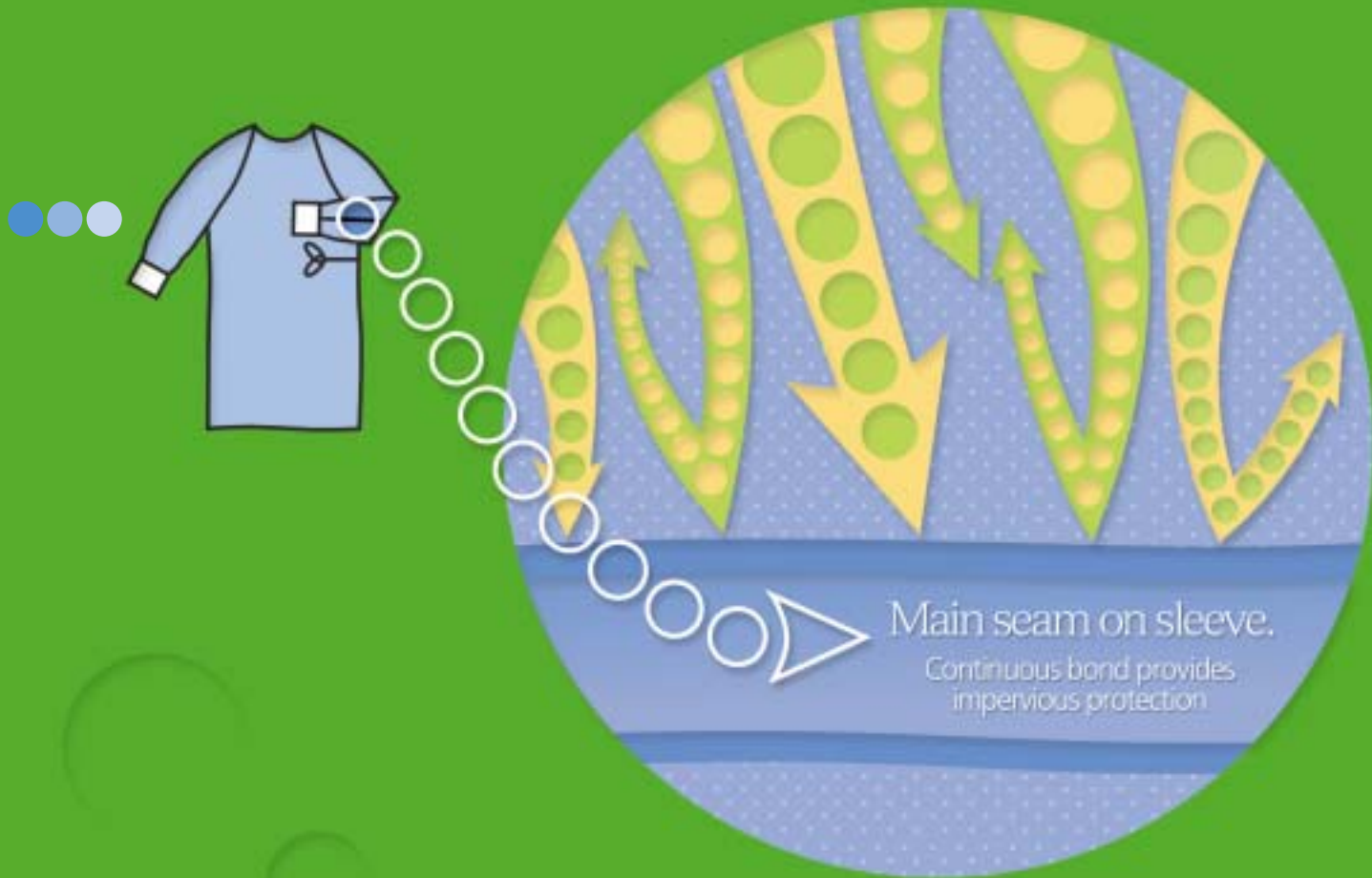
* ASTM F1670 Is the Standard Test Method for Resistance of Materials Used in Protective Clothing to Penetration by Synthetic Blood. ASTM F1671 Is the Standard Test Method for Resistance of Materials Used in Protective Clothing to Penetration by Blood-Borne Pathogens Using Phi-X174 Bacteriophage Penetration as a Test System. This test has been specifically designed for measuring penetration of a surrogate microbe for Hepatitis (B and C) and the Human Immunodeficiency Viruses. The surrogate, Phi-X174 Bacteriophage, used in this test method is similar to HCV in size and shape but also serves as a surrogate for HBV and HIV.†

† Source: Annual Book of ASTM Standards, Vol. 11.03, 2000.

ASTM F1671

“...has been specifically designed for measuring penetration of a surrogate microbe for Hepatitis (B and C) and the Human Immunodeficiency Viruses.”

••• Source: Annual Book of ASTM Standards, Vol. 11.03, 2000.





A smart combination of features, a smart choice. ●●●

It's easy to see what makes SmartGown™ surgical gowns so unique. From the responsive membrane that breathes more at higher temperatures, to the roomy construction, to the impervious fabric and sleeve seams, never before has this kind of protection and comfort been brought together. Experience the difference this remarkable technology brings to the breathable, impervious class of gowns. Make the smart decision — contact your Allegiance Healthcare sales representative today at 1.800.964.5227.



a Cardinal Health company

*SmartGown is a trademark and Convertors is a registered trademark of Allegiance Healthcare Corporation.
MicroCool is a registered trademark of Kimberly-Clark Corporation.*

*©Copyright 2001, Allegiance Healthcare Corporation.
All rights reserved.
Lit. No. CON00870 (1001/5M)*

***Allegiance Healthcare Corporation
Convertors***

*1500 Waukegan Road
McGaw Park, IL 60085
1.800.964.5227*

www.cardinal.com/allegiance