



The risk of infection is real. And so is the solution.

WHOLE ROOM SURFACE DISINFECTION

Validated 99.9999% kill rate against *C. difficile* spores

Proven to reduce infection rates

Goes where sprays & wipes can't

Affordable and easy-to-use

HALO Disinfection System[®]

Saving lives one room at a time.[™]



As an infection preventionist, an environmental services team member, or a purchasing representative for healthcare facilities, *you* play a key role in responding to the risks of pathogenic infections and how they affect a patient's healthcare, their recovery and ultimately, their lives.

The Halo Disinfection System® is:

HaloFogger®

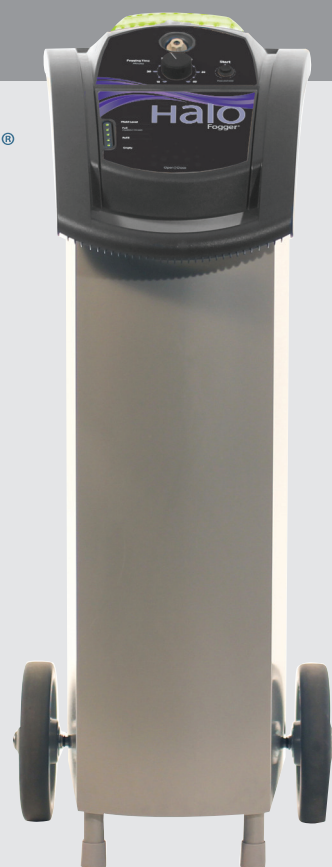
Effectively delivers dry mist of concentrated disinfectant to every exposed surface in a room.

HaloMist™

Disinfectant Fogging Solution

First EPA approved fogging formula proven to kill 99.9999% of *C. diff* spores

Approved for whole room surface disinfection
Ready-to-use, Healthcare-grade
Validated with the HaloFogger
Dry Mist – no wipe, no rinse



Now you can arm every member of your infection prevention team with a safe and effective environment protection solution. Treat any room in your facility with a system proven to kill disease-causing pathogens, including the most difficult to kill, *C. diff* spores.

The Halo Disinfection System™ combines a choice of two patented hydrogen peroxide-based disinfectants for use with the dry-mist dispensing HaloFogger as an easy-to-use and affordable surface disinfection system. Unlike ineffective “spray & wipe” and UV disinfection technologies, the Halo Disinfection System delivers hands-free, whole room surface disinfection at a 6-log kill rate that saves patients’ lives.

This hands-free solution is a family of unique products and accessories designed to deliver infection-rate reducing results safely at a cost lower than other surface disinfection technologies.

Advantages of using the Halo Disinfection system:

- Room fogging is proven to be the most thorough and cost effective method for treating all the exposed surfaces within a room, and it is safe for use with sensitive electronic equipment.
- The Halo Disinfection System reaches into nooks, crevices and corners that disinfecting sprays & wipes can’t, reducing the risk of cross-contamination associated with using a rag, wipe or sponge.
- The Halo healthcare-grade hydrogen peroxide-based disinfectants are EPA approved, unscented and bleach free.

Just four easy steps:



HaloSpray™

All-Purpose Surface Disinfectant

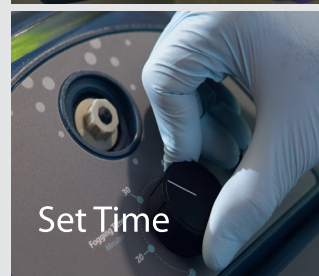
EPA approved, broad-spectrum disinfectant

Great for spot disinfection and supplemental fogging

Ready-to-use, Healthcare-grade



Fill



Set Time

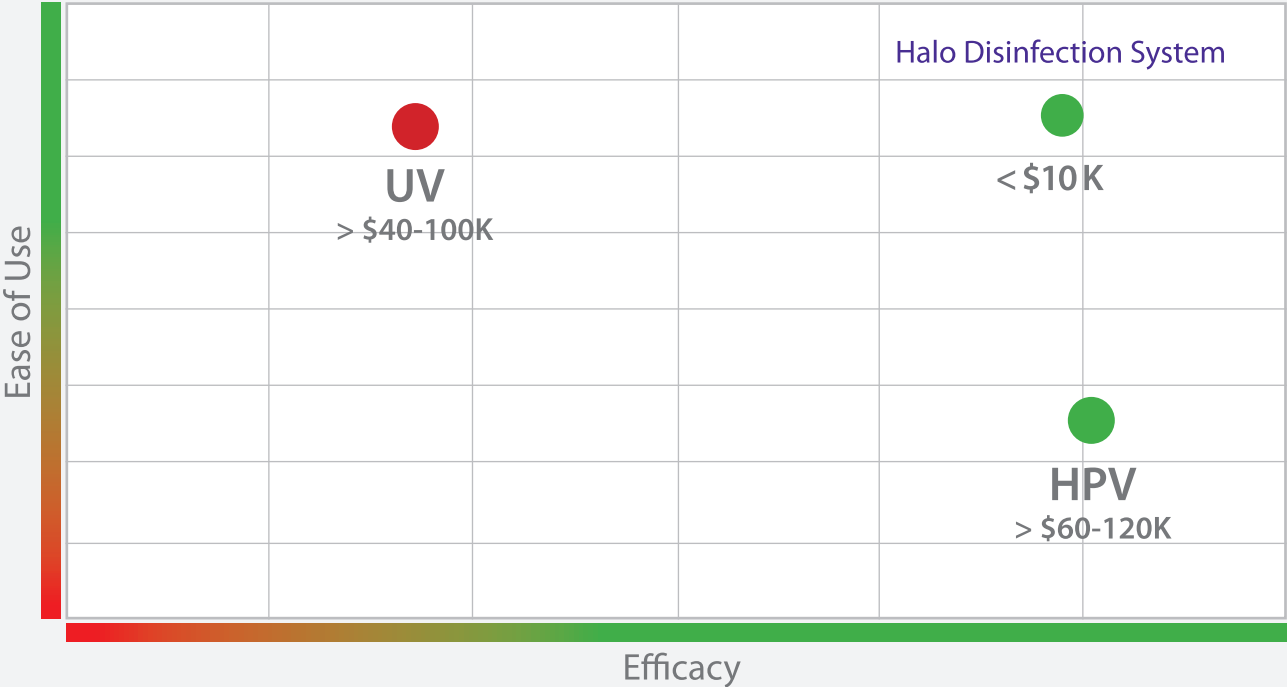


Press Start



and Go!

How does the Halo Disinfection System® compare to other room disinfection technologies on Efficacy, Capital Cost and Ease-of-Use?



● UV not validated by government agency | “Line of sight” efficacy only

● EPA Registered with validated test | Kills 99.9999% C. diff Spores

A few things to know about UV Systems:

- UV is not regulated by government for efficacy claims
- Due to line-of-sight* and distance-to-surfaces** issues, UV cannot treat all exposed surfaces in a room without multiple treatments
- UV bulbs degrade with use and must be replaced frequently
- UV light can affect some surface materials
- No method exists to confirm UV light reached a particular surface in lethal amounts
- UV systems cost on average 5-10X more
- Additional, on-going costs include: UV bulb replacement, mirrors, service plans

* Surface reflection and mirrors are used to reach out-of-sight surfaces which can impact efficacy due to diffuse reaction (loss of light intensity).

Halo Disinfection System vs. HPV Systems:

- HPV systems are more complex and require expensive in-depth operator training
- HPV systems dispense very high concentrations of hydrogen peroxide vapor which can oxidize some surfaces
- HPV systems cost 7-12X more than the Halo Disinfection System

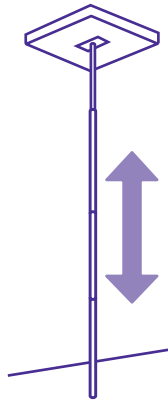
** Surfaces further than six (6) feet from UV light source require longer exposure times for effective treatment. (Nerandzic MM, Cadnum JL, Pultz MJ, Donskey CJ. Evaluation of an automated ultraviolet radiation device for decontamination of Clostridium difficile and other healthcare-associated pathogens in hospital rooms. BMC Infectious Diseases 2010, 10:197)

The Halo Disinfection System® has unique accessories designed to solve many room treatment challenges.



HaloShield® Vent Cover

These reusable vent covers make room preparation for fogging treatment faster and easier. Installed from the floor (no ladder required), the HaloShield quickly seals vents without shutting down HVAC and ventilation systems.



Chemical Indicator H₂O₂ Strips

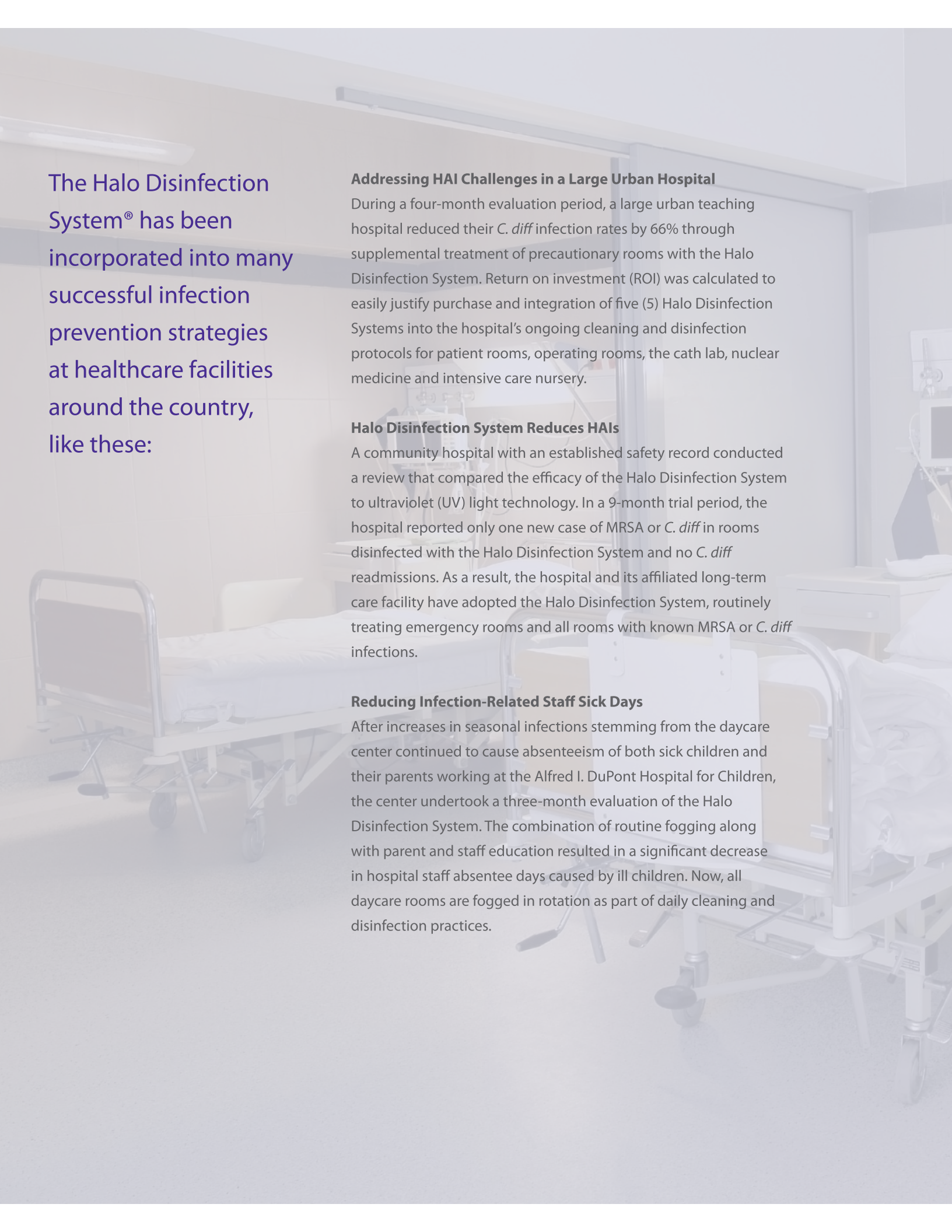
Positioned within a room prior to treatment, these strips are a simple and reliable method to visually confirm coverage of the disinfecting mist dispensed by the HaloFogger™.



Power Module

The Power Module automates the use of a standard dehumidifier with the HaloFogger to reduce room re-entry times.





The Halo Disinfection System® has been incorporated into many successful infection prevention strategies at healthcare facilities around the country, like these:

Addressing HAI Challenges in a Large Urban Hospital

During a four-month evaluation period, a large urban teaching hospital reduced their *C. diff* infection rates by 66% through supplemental treatment of precautionary rooms with the Halo Disinfection System. Return on investment (ROI) was calculated to easily justify purchase and integration of five (5) Halo Disinfection Systems into the hospital's ongoing cleaning and disinfection protocols for patient rooms, operating rooms, the cath lab, nuclear medicine and intensive care nursery.

Halo Disinfection System Reduces HAIs

A community hospital with an established safety record conducted a review that compared the efficacy of the Halo Disinfection System to ultraviolet (UV) light technology. In a 9-month trial period, the hospital reported only one new case of MRSA or *C. diff* in rooms disinfected with the Halo Disinfection System and no *C. diff* readmissions. As a result, the hospital and its affiliated long-term care facility have adopted the Halo Disinfection System, routinely treating emergency rooms and all rooms with known MRSA or *C. diff* infections.

Reducing Infection-Related Staff Sick Days

After increases in seasonal infections stemming from the daycare center continued to cause absenteeism of both sick children and their parents working at the Alfred I. DuPont Hospital for Children, the center undertook a three-month evaluation of the Halo Disinfection System. The combination of routine fogging along with parent and staff education resulted in a significant decrease in hospital staff absentee days caused by ill children. Now, all daycare rooms are fogged in rotation as part of daily cleaning and disinfection practices.



You can treat every room in your facility with a proven safe, effective and affordable whole room surface disinfection solution – the Halo Disinfection System®. Go above and beyond, under and around disinfecting technologies like spray & wipe and UV, with a system validated and approved by the EPA to deliver a 6-log kill rate, and proven to reduce HAI infection rates at a very competitive per treated room cost. The Halo Disinfection System delivers hands-free whole room surface disinfection as no one else can.

The risk of infection is real.

And so is the solution.

The **Halo Disinfection System.**



Protect your complete healthcare environment.



HALO Disinfection System®

Saving lives one room at a time™



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Learn how to reduce infection rates at your facility by visiting www.halosil.com. There you can find out more about the Halo Disinfection System™, download literature and case studies, and find a distributor near you.

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