

# Medismart

THE FUTURE OF MEDICAL WASTE MANAGEMENT



## THE MODERN MEDICAL WASTE SYSTEM THAT

- ▶ Reduces risk of pathogen transfer
- ▶ Eliminates multi handling of waste
- ▶ Dramatically improves waste segregation
- ▶ Reduces time and labor
- ▶ Puts safety first



# Medismart

## Healthcare Waste Management For The Twenty First Century

In the last three decades, despite rapid advancements within the medical industry, healthcare waste management practices have remained largely unchanged. Stationery, open lidded and/or full-touch waste receptacles are common in patient-care areas, together with the practice of transferring medical waste in bags, boxes or soft packaging. These all too prevalent practices result in heightened risk of spillage, infection transfer, pathogen build up and sharps penetration.

The Daniels Medismart system introduces a new standard of safe medical waste management. With proven infection risk minimization, segregation efficiencies and environmental burden reduction, the Medismart combats logistical challenges commonly associated with healthcare waste disposal whilst keeping staff and patient safety the highest priority.



### Dramatically reduced infection transfer

Using a foot-pedal opening mechanism and bagless system means hand contact with the collector is no longer required. This no-touch alternative results in a dramatic reduction in the infection transfer risk that currently exists using standard medical waste collectors.

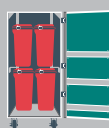
The Medismart reusable system ensures that once full, each collector is removed from your premises, emptied, and then subjected to a rigorous 6-stage robotic wash and sanitization process that eliminates challenge organisms and proves a 10<sup>6</sup> Log reduction in bacterial load.

### Reduced waste through improved waste segregation

The reusable Medismart system can help you make a significant waste reduction impact. Clear labeling, temporary locking mechanisms, and the easily identifiable design of the Medismart collector encourages better waste segregation, reduced medical waste volumes, and fewer collector exchanges.

### Optimized Space

The compact, clean design is far less intrusive in the clinical setting and helps to optimize space usage in high demand utility and waste areas like loading docks and tight utility rooms.



### Cost-effective

Designed as a full-solution system, the Medismart delivers multiple cost efficiencies in consumables, labor and segregation.

The clinical appearance of the Medismart collector dissuades staff and patients from misappropriating its use for general waste disposal. The flow-on reduction of reduced medical waste volumes lowers costs significantly. The compact design and transportation accessories of the system dramatically reduces the workload of environmental services staff.

### Reusable system that's eco-friendly

The reusable Medismart system eliminates use of plastic liners and cardboard boxes, and reduces the volume of plastic waste going to landfill. The Daniels eco-friendly Washsmart process is fully automated and uses recycled water to ensure minimum environmental impact.

### Time and Labor Reduction

Its compact design allows the Medismart to be located at the point of waste generation, eliminating the need to transfer waste to larger tubs after disposal. Easy-to-use transportation trolleys enable simpler and more efficient movement of Medismart collectors by environmental services staff.



## Neat, compact design

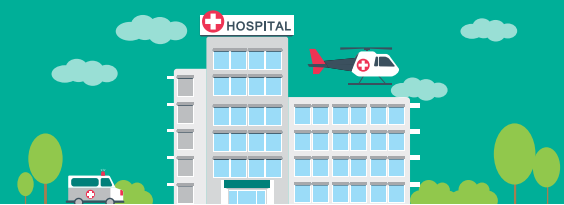
Medismart's compact and sleek design allows you to position it exactly where it's needed, without the unsightly visual impact of industrial-style garbage bins. Additionally the foot pedal option eliminates the previously awkward and unhygienic task of opening and closing the lid by hand.

### PACKED WITH SAFER, MORE **ECO-FRIENDLY** FEATURES

- ▶ **WIDE OPENING**
  - For safe and simple waste disposal
- ▶ **NO PLASTIC LINERS OR CARDBOARD BOXES**
  - Minimizes pathogen exposure from bin and bag handling
  - Reduces your environmental footprint
- ▶ **SECURE LOCKING SYSTEMS**
  - Temporary front-locking mechanism enhances safety
  - Once full, tamper-proof side locks are engaged eliminating spillage risks and preventing unauthorized access to contents
- ▶ **LEAKPROOF BODY AND LID SEAL**
  - Securely contains fluids and odors
- ▶ **EFFECTIVE SEGREGATION**
  - Design and labeling encourage correct segregation of waste for greater economy and compliance
- ▶ **FOOT-PEDAL OPERATION**
  - The hands-free operating system provides superior infection control
- ▶ **WHEELED OR STATIC MOUNTING**
  - Can be positioned exactly where needed
  - Easy, stable and secure operation once positioned



Dimensions: H 28.6" x W 15.7" x D 13.9" | Height (fully open): 39.7"  
Weight (empty): 11lb | Fill Capacity: 12.4 gal | Total Capacity: 16.9 gal  
**Note: Medismart is not a sharps collector. Non-sharp medical waste only.**  
Accessmart trolley with foot pedal (pictured) is sold separately.



## MEDISMART in 3 simple steps



1



Wheel the assembled collector to the point of generation of the medical waste



2



Dispose of the waste directly into the collector



3



When full, lock the collector and take to storage for pick up and disposal

# Daniels

## Peer Reviewed Pedigree

A 360 bed Acute Care private hospital found their use of a 64Gallon bin posed issues with infection and staff injury risk, logistics, waste volumes, space and cost, and furthermore, was not compliant with regulatory guidelines. A 3 year study examined the impact of transitioning from their 64Gallon bin to the Daniels 17Gallon Medismart.



### THE RESULTS:

- ▶ Medical Waste mass reduction of **53.2%**
- ▶ Medical Waste volume reduction of **65.2%**
- ▶ Labor cost reduction associated with logistics in handling waste of **69.2%**
- ▶ Medical waste disposal cost reduction **30.9%**
- ▶ Minimized infection potential and sharps injury risk
- ▶ Efficiencies in space and waste movement gained
- ▶ Improved waste segregation

Authors De Sousa F, Martin D and Grimmond T  
Publication Healthcare Infection 2014, 19, 76-80.  
<http://dx.doi.org/10.1071/HI3048>



## What the experts say

“The study found that the use of a smaller 17Gallon linerless, reusable, hospital wastebin system, through its design and operation, has the potential to reduce medical waste volumes, increase labor efficiencies, decrease costs and minimize infection potential and sharps injury risk, all of which improve the quality of health care.”

### TERRY GRIMMOND

Microbiologist | FASM, BAGRSc, GRDPAdEd

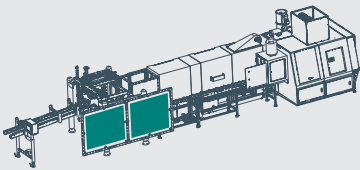
- ▶ NO BOXES TO ASSEMBLE
- ▶ NO BAGGING OF WASTE
- ▶ NO RISKS IN WASTE TRANSFER



# OUR ECOLOGICALLY SUSTAINABLE TECHNOLOGY

## WASHSMART

Groundbreaking in its engineering, the Daniels Washsmart has been designed to achieve the highest levels of safety, environmental sustainability and decontamination attainable in a robotic washing process. Proven results in peer reviewed studies show its environmental burden to be dramatically less than any other collector washing and decontamination process.



“The Washsmart cleaning process was independently tested by coating 17Gallon Medismart bins with 6-log blood suspensions of Staph aureus, E. faecalis, and Mycobacterium phlei. On swabbing them after the wash, no challenge organisms were detected – this is a very high level of decontamination.”

### TERRY GRIMMOND

Microbiologist | FASM, BAgrSc, GrDpAdEd



## We care.

A unified commitment to safe medical waste segregation is essential to protecting the environment. Daniels Circle of Safety ensures that the complete waste journey, from handling through to disposal and treatment, puts the safety of people and the environment first. Our products and practices are designed to minimize the volume of waste going to landfill, and our decontamination and treatment technologies are engineered to conserve water and minimize pollutants.



“

Finally someone has found a way to get unsightly mobile garbage bins out of hospital wards.



# Medismart system options | Accessories

Daniels accessories are engineered to improve efficiencies of waste movement within a healthcare facility; reducing time and labor and increasing segregation potential.

## Position & Movement

### Soft-Close Accessmart Trolley (with foot pedal)

Foot pedal operated, the Accessmart's wheel locks allow hands-free opening, and its slow closing mechanism minimizes odor expulsion.

Dimensions: H 35.9" x W 19.3" x D 18.3"  
Order Code: 6006500000



### Static Floorstand (with foot pedal)

The Static Floorstand elevates the Medismart off the ground in a fixed position, with a foot pedal providing hands-free operation.

Dimensions: H 30.8" x W 16.4" x D 18.8"  
Order Code: 5811000000



### Dynamic Floorstand Kit

Wheel and Handle  
Order Code: 5810806000

### 64 Series Floorstand (without foot pedal)

Designed for stable floor mounting of the Medismart collector. Stainless steel and plastic construction is tough and easy to clean.

Dimensions: H 25.3" x W 12" x D 14.6"  
Order Code: 6424007000



### Cartsmart Trolley (without foot pedal)

Enables convenient, mobile, off-the-floor mounting of Medismart collectors.

Dimensions: H 32.9" x W 17.1" x D 17"  
Order Code: 6000100000



### Accessmart Mount Bracket

Designed to mount an S-Series sharps collector to the side of an Accessmart, this bracket can be positioned on either side of the trolley. Mounting screws supplied.

Order Code: 4001916000

## Bulk Delivery

### Small Internal Delivery Cart

The Small Internal Delivery cart is ideal for transporting up to 6 Medismart collectors (3 on each side) between your loading dock and clinical areas. Pictured here with Sharpsmart collectors.

Dimensions: H 56.7" x W 56" x D 34.25"  
Order Code: 6002400000



### Large Internal Delivery Cart

The Large Internal Delivery cart is ideal for transporting up to 8 Medismart collectors (4 on each side) between your loading dock and clinical areas. Pictured here with Sharpsmart collectors.

Dimensions: H 54.5" x W 74" x D 34.25"  
Order Code: 6001900000



## Optimized Waste Segregation

Daniels Accessmart trolley enables the effective segregation of both soft and sharp medical waste. With hands free operation and easy maneuverability, the Accessmart enables the Medismart to be positioned in optimum use areas, whilst ensuring all sharps are safely disposed of at the point of care.





**Medismart is perfect for:**

- ▶ Hospital Wards
- ▶ Surgery Centers
- ▶ Isolation Rooms
- ▶ Emergency Departments
- ▶ Intensive Care Units
- ▶ Medical Centers
- ▶ Research Institutes
- ▶ Pathology Collection Rooms
- ▶ Medical Imaging Centers
- ▶ Blood Collection Centers
- ▶ General Practice Rooms
- ▶ Laboratories
- ▶ Veterinary Clinics
- ▶ Dialysis Clinics

Can you risk using any other system?

Actively protecting against infection risk, minimizing environmental burden, and removing a potential source of pathogen transfer in healthcare facilities, the Daniels Medismart system offers unparalleled safety and compliance.

Can you afford to use another system?



**We're here to help.**

Learn more about how Medismart can enhance the safety and efficiency of your regulated medical waste management.

 [www.danielshealth.com](http://www.danielshealth.com) |  [usa@danielshealth.com](mailto:usa@danielshealth.com) |  855-251-2655