

Medismart

THE FUTURE OF BIOMEDICAL WASTE MANAGEMENT



MAKING HEALTHCARE SAFER
SOINS DE SANTÉ PLUS SÉCURITAIRES

THE MODERN BIOMEDICAL WASTE SYSTEM THAT

- ▶ Reduces risk of pathogen transfer
- ▶ Eliminates multi handling of waste
- ▶ Dramatically improves waste segregation
- ▶ Reduces time and labour
- ▶ 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 minimisation, 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 containers.

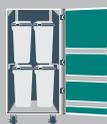
The Medismart reusable system ensures that once full, each collector is removed from your premises, emptied, and then subjected to a rigorous 6-stage robotic wash and sanitisation process that eliminates challenge organisms and proves a 10⁶ Log reduction in bacterial load.

Reduced waste through improved waste segregation

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

Optimised Space

The compact, clean design is far less intrusive in the clinical setting and helps to optimise 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, labour 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 Labour 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**
 - Minimises 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 odours
- ▶ **EFFECTIVE SEGREGATION**
 - Design and labelling 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): 5Kg | Fill Capacity: 47 Litres | Total Capacity: 64 Litres
Note: Medismart is not a sharps collector. Non-sharp medical waste only.
Static Floor stand with foot pedal (pictured) is sold separately.



MEDISMART in 3 simple steps



1



Wheel the assembled collector to the point of generation of the biomedical 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 240 Litre 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 240 Litre bin to the Daniels 64 Litre Medismart.



THE RESULTS:

- ▶ Biomedical Waste mass reduction of **53.2%**
- ▶ Biomedical Waste volume reduction of **65.2%**
- ▶ Labour cost reduction associated with logistics in handling waste of **69.2%**
- ▶ Biomedical waste disposal cost reduction **30.9%**
- ▶ Minimised 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 64 Litre linerless, reusable, hospital waste bin system, through its design and operation, has the potential to reduce biomedical waste volumes, increase labour efficiencies, decrease costs and minimise infection potential and sharps injury risk, all of which improve the quality of health care.”

TERRY GRIMMOND

Microbiologist | FASM, BAgSc, GrDpAdEd

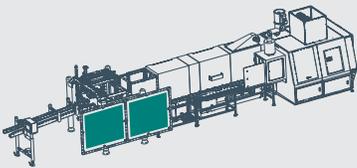
- ▶ NO BOXES TO ASSEMBLE
- ▶ NO BAGGING OF WASTE
- ▶ NO RISKS IN WASTE TRANSFER



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 container washing and decontamination process.



“The Washsmart cleaning process was independently tested by coating 64Litre 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 biomedical 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 minimise the volume of waste going to landfill, and our decontamination and treatment technologies are engineered to conserve water and minimise 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 labour 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 minimises odour 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 Sharpsmart 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



Optimised Waste Segregation

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



Medismart is perfect for:

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

Can you risk using
any other system?

Actively protecting against infection risk, minimising 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 biomedical waste management.

 www.danielshealth.ca |  canada@danielshealth.ca |  1-888-952-5580

The **64-Series** system is protected by patent # **CA 2788574**