

# Pharmaceutical Waste Solutions



MAKING HEALTHCARE SAFER  
SOINS DE SANTÉ PLUS SÉCURITAIRES

The new generation of  
pharmaceutical waste security



# Daniels Pharmaceutical Solutions

Setting a new industry benchmark in safe pharmaceutical collection, containment and disposal, the Daniels Pharmaceutical collection systems are the first of their kind designed first and foremost to PROTECT. Mitigating unnecessary risk for healthcare practitioners and the public in the containment, disposal, transport and destruction of pharmaceutical waste, Daniels Pharmasmart forms part of a safeguarded waste journey that eliminates tampering, pillaging and misappropriation of discarded pharmaceuticals.



The world's safest  
Pharmaceutical  
Management  
System.

P22 PHARMASMART  
ACCESS PLUS P64 PHARMASMART



## SECURITY

As guardians of your cradle-to-grave waste responsibility, Daniels Health takes every precautionary step to ensure that our customers are protected in the handling and disposal of drugs, medicines and pharmaceuticals.

Through our partnership we commit to:

- Ensuring each of our facilities meets Regulatory Compliance approval in the storage and handling of high risk wastes.
- CCTV security being active 24 hours a day across our sites to safeguard against tampering or malpractice.
- Employing compliant waste segregation processes (segregation at source).
- Providing clear colour coded identification labelling to aid in segregation, with operational instruction and training of your staff to avert the risk of sizeable fines.
- Identifying potential security risks within your facility and providing appropriate accessories and/or additional locking to ensure safe practice.

## COMPLIANCE

Pharmaceutical waste must be clearly identified in approved pharmaceutical containers using the universal pharmaceutical label. Pharmaceuticals are destroyed by high temperature incineration. In the breaking-down of potentially harmful compounds into inert elements that cannot harm humans or the environment, the incineration process poses the least risk in drug, medicine and pharmaceutical destruction. The pharmaceutical waste stream includes residual medicines which may be contained in:



PARTLY EMPTIED  
GLASS VIALS



HARD CAPSULE OR  
TABLET MEDICATION



BROKEN  
AMPOULES



DRAWING UP  
NEEDLES

## Daniels Engineering

Daniels' patented engineered accessory systems are designed to optimise space, overcome logistical challenges, and facilitate point-of-use disposal. Enabling safe and intuitive cradle-to-grave waste management, the Daniels suite of mounting and logistical accessories provide seamless transitions between different work environments and applications; improving efficiencies and protecting staff and patients.



# Making waste segregation **easy** and **compliant**.

Daniels' waste segregation experts can equip your healthcare organisation with the knowledge and systems that will ensure that your denatured pharmaceutical waste is segregated and disposed of correctly and efficiently. We work with you to review, analyse and streamline your pharmaceutical waste management.

To ensure your waste is optimally managed, our experts will help you to determine controlled substance denaturing requirements and non-hazardous pharma waste collector requirements. We will then ensure efficient and safe pick-up and disposal. This cost-effective, customised service will take the guesswork and compliance risk out of your pharmaceutical waste segregation.

PHARMACEUTICAL WASTE



NON-HAZARDOUS\*

CONTROLLED SUBSTANCE



When bottle is full, place into the Rx container

PHARMASMART

RX DESTROYER

# Rx Destroyer

Rx Destroyer offers a simple and cost-effective solution that ensures compliance, staff safety and risk mitigation in the disposal of controlled substances. Rx Destroyer eliminates risk of unsafe exposure, pillaging and misappropriation of discarded pharmaceuticals.



## Did you know?

A targeted substance is destroyed when it is altered or denatured to such an extent that its consumption is rendered impossible or improbable

\*In accordance with municipal, provincial and federal environmental legislation.



### **BETTER FOR THE ENVIRONMENT**

Correct waste segregation reduces environmental damage, and risk of controlled substances entering our waterways. Hazardous and non-hazardous waste must be destroyed according to strict environmental regulatory requirements, and the mixing of such wastes reduces the environmental effectiveness of the destruction process.



### **COST-EFFECTIVE**

Daniels pharmaceutical waste program optimises the cost efficiencies of pharmaceutical waste handling and disposal through safety, compliance training, and right-fit containment solutions, while also reducing the administrative burden of management by providing a single point of contact and minimising paperwork.

# Pharmasmart Regular



The thirteen safety-engineered features of the Pharmasmart Regular collectors make them the safest pharmaceutical waste collection units in Canada. Designed with in-built tamper-proof locks which, when engaged, can only be released at a Daniels processing facility; Pharmasmart eliminates the risks associated with other pharmaceutical containers; a common challenge being unauthorised access to contents on site while awaiting collection and/or in transit.

The Pharmasmart Regular collector is designed for ultimate versatility. Its content-concealing safety tray restricts both visibility and hand-access to pharmaceutical contents, and an inbuilt locking mechanism ensures patient safety if accessible in a public area. Understanding the varying healthcare environments and applications in which the collector may be deployed, Daniels Health have designed a range of lockable brackets and trolleys to navigate mounting and movement within a medical facility, creating a security solution that extends beyond the collector itself.

Ideally suited to drug draw-up/medication rooms and ward use, the Pharmasmart Regular range is the most versatile solution for low volume areas and healthcare environments that allow public access.

## STANDARD SIZES



P14

**HEIGHT:** 285mm  
**WIDTH:** 398mm  
**DEPTH:** 210mm  
**FILL CAPACITY:** 6.4 Litres  
**TOTAL CAPACITY:** 14 Litres



P22

**HEIGHT:** 446mm  
**WIDTH:** 398mm  
**DEPTH:** 210mm  
**FILL CAPACITY:** 14.3 Litres  
**TOTAL CAPACITY:** 22 Litres



P32

**HEIGHT:** 618mm  
**WIDTH:** 398mm  
**DEPTH:** 210mm  
**FILL CAPACITY:** 23.4 Litres  
**TOTAL CAPACITY:** 32 Litres



## Engineered tamper-proof locking

Engineered to precise tolerances, the patented Daniels Safety Tray prevents hand access to the collector during use, while also preventing overfilling by automatically engaging the tray mechanism into a locked position when contents reach the maximum fill line. Once full, the collectors' tamper-proof side locks are engaged to prevent unauthorised access to pharmaceutical contents.

# Pharmasmart Access Plus

Designed for higher volume areas such as drug dispensary areas and pharmacies, the Access Plus range of Pharmasmart collectors are best in class for pharmaceutical waste disposal in secure environments. Engineered with the same inbuilt locking features of the Pharmasmart Regular collectors, the Access Plus solves containment, transport and disposal risks in more secure areas, and its accessible wide access geometry opening gives it greater versatility for bulk disposal of pharmaceuticals.

Understanding the varying medical environments and applications in which the collector may be used, Daniels Health have designed a range of lockable brackets and trolleys to navigate mounting and movement within a medical environment, creating a security solution that extends beyond the collector itself.

Ideally suited for pharmacies catering for the disposal of bulk expired pharmaceuticals, the Pharmasmart Access Plus provides improved disposal efficiency for high volume areas. As a safety engineered device, the Access Plus Pharmasmart protects contents through the complete cycle of containment, transport and destruction.

Daniels Pharmasmart is the only reusable pharmaceutical sharps disposal system, in Canada, to meet CAN/CSA-Z316.6-14

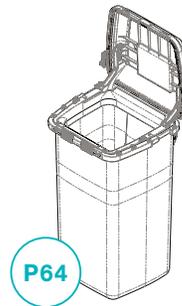


## ACCESS PLUS SIZES



P32

**HEIGHT:** 618mm  
**WIDTH:** 398mm  
**DEPTH:** 210mm  
**FILL CAPACITY:** 23.4 Litres  
**TOTAL CAPACITY:** 32 Litres



P64

**HEIGHT:** 726mm  
**WIDTH:** 398mm  
**DEPTH:** 354mm  
**CAPACITY:** 47 Litres  
**TOTAL CAPACITY:** 64 Litres



### WIDE OPENING

The optimal access geometry of the lid opening is designed with a wide aperture for safe disposal. This minimises disposal-related injuries and restricts hand access to the contained waste.



### NO LEAKS

A fixed liquid seal around the rim of the collector lid eliminates leakage of pharmaceutical fluids during transport. Container leakage is a common hazard with pharmaceutical containers that are not equipped with a leakproof seal.



### CANNOT BE REOPENED

Side locks are tamper-proof when engaged. This safety feature prevents unauthorised access to the collector contents.



### MAXIMUM STRENGTH HARDENED PLASTIC

The medical grade hardened plastic casing of the Pharmasmart collectors are completely impenetrable by sharp contents. The Pharmasmart has been test-proven to an amazing 500 cycles proving its durability, sterility and re-usability.



### ELIMINATES OVERFILLING

Once the collector is full, the in-built safety tray is activated into an upright closed position to restrict access and overfilling, and alert the need for replacement.



## We care.

A unified commitment to safe pharmaceutical waste segregation is essential to protecting the environment. Through incorrect disposal, an enormous range of pharmaceuticals, from painkillers to cytotoxic drugs, are entering our rivers and waterways via wastewater.

The concentrations are tiny, but drug pollution has had an unexpected and, at times, devastating impact on plants and animals.

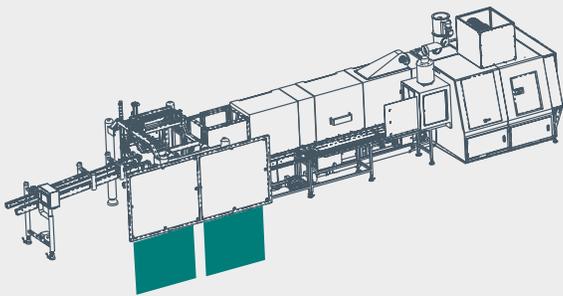




# OUR ECOLOGICALLY SUSTAINABLE TECHNOLOGY

## 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 waste treatment process.



"The Washsmart cleaning process was independently tested by coating 64 Litre Pharmasmart bins with 6-log blood suspensions of Staph aureus and E. faecalis. On swabbing them after the wash, no challenge organisms were detected – this is a very high level of decontamination."

### TERRY GRIMMOND

Microbiologist  
FASM, BAgSc, GrDpAdEd



# Pharmasmart Accessories

## ALL SIZES COMPATIBILITY



### ▶ CARTSMART TROLLEY

Enables convenient, mobile, off-the-floor mounting of regular and access plus collectors.

Dimensions: 835mm H, 435mm W, 835mm D

Order Code: 600100000

## P14, P22 AND P32 CONTAINER COMPATIBILITY



### ▶ LOCKING WALL BRACKET

For use in areas where secure, key-lock mounting of Pharmasmart collectors is required.

Order code: 4008500000 - left side | 4008600000 right side



### ▶ ACCESSMART SIDE BRACKET

Designed to mount a regular or 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



### ▶ S-SERIES FLOOR STAND

Designed for stable floor mounting of P14, P22 and P32 range collectors. Stainless steel and plastic construction is tough and easy to clean.

Dimensions: 513mm H, 380mm W, 305mm D

Order code: 5806000000



### ▶ WALLSMART MINI

Wall mounted locking system for holding up to 3 regular or Access Plus collectors.

Dimensions: 152mm H, 672mm W, 39mm D

Order Code: 4017700000

## P64 CONTAINER COMPATIBILITY



### ▶ 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: 921mm H, 478mm W, 500mm D

Order Code: 6006500000



### ▶ STATIC FLOORSTAND

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

Dimensions: 782mm H, 418mm W, 481mm D

Order Code: 5811006000



### ▶ 64 SERIES FLOORSTAND

Designed for stable floor mounting of the Pharmasmart 64 collector. Stainless steel and plastic construction is tough and easy to clean.

Dimensions: 643mm H, 305mm W, 371mm D

Order Code: 6424007000

# Daniels Training and Education

Our ongoing commitment to educate staff within healthcare ensures that together we achieve greater safety awareness and drive behavioural change in waste management, segregation, compliance and best practice management. Through a blended learning approach using onsite training, a range of educational material and module-based e-learning, we ensure all healthcare staff are trained and compliance certified.





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ON THE INTRODUCTION OF THE PHARMASMART COLLECTOR

"Daniels Health representatives were flexible and accommodating for our staff, Management team and patients. The education program for our staff was up-to-date, the install went very smoothly and their response time for any issue was same-day. From start to finish you can rely on Daniels to get the job done."

**CARRIE SOPHONOW**

Housekeeping/Linen Manager

Chatham-Kent Health Alliance, Chatham, Ontario



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