



Providing compliant, efficient  
and modern clinical environments

“ A secure cupboard is of no avail if the key is indiscriminately available, if correct records are not kept, if it is possible to attempt forcible entry at leisure, or if it is easy to remove the unopened cupboard in order to gain entry later. ”

BS2881



Drugs and medicines are at the core of every healthcare institution involved in patient care, and the correct storage of these products is very important.

The British Standard BS2881 and the Misuse of Drugs (Safe Custody) Regulations 1973 are the main governing documents relating to the storage of drugs, along with subsequent Health Building Notes (HBNs) and guidance notes from the Home Office, devolved administrations and individual hospital trusts.

This manual includes essential information on current regulations and guidance, recommended products for the storage of medications, good practice and advice on room layout designs.

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NEW Systeméd  
metal drugs cabinets  
compatible with  
HTM71 accessories

# New Systeméd metal drugs cabinets

The new range of Systeméd metal drugs cabinets are manufactured from steel to HTM71 sizes and finished in a tough epoxy smooth, white powder coated finish to comply with the latest regulations and guidance. Cabinets are available in a full range of sizes, including tall, base, wall and bench mounted units. Internal cabinet accessory sets are based on the popular Systeméd product configurations and suited for almost every situation. Cabinets come with a choice of solid or glass doors.

## Solid door option



- Compliant with BS2881 Level 1
- Tough white powder coated finish
- Choice of three different lock options

## Glass door option



- Wall cabinets supplied with wall fixing brackets for perfect levelling and adjustment
- Large stainless steel handle with no sharp edges
- HTM71 sizes allowing for efficient storage options

## Lock options



### Medicine cabinet lock

All cabinets are supplied with a high security lock as standard. Keys can be suited if required.



### Digital code lock

Heavy duty lock with private and public control functions to suit personal use or multi staff situations.



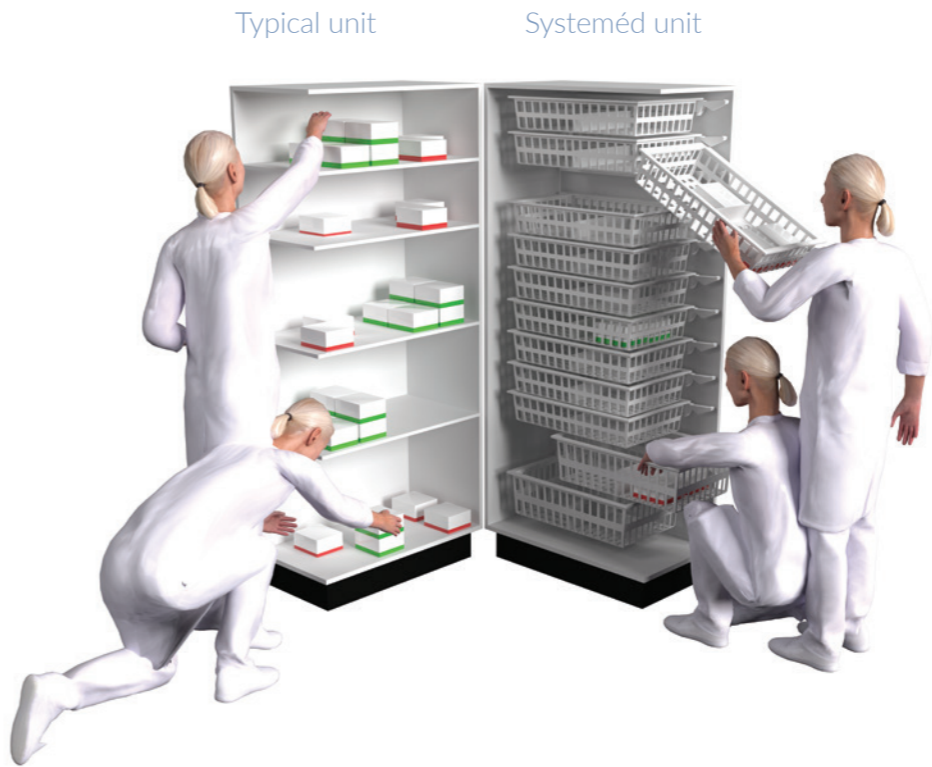
### 6G Barrd® swipe card lock

Smart card scan lock providing access management control and compatible with most existing hospital scan cards.

# New Systeméd metal drugs cabinets

## The benefits of Systeméd modular storage

Systeméd modular storage systems revolve around the International ISO 600 x 400mm HTM71 module and feature a wide range of accessories to suit specific products being stored. The new range of Systeméd metal drug cabinets have been designed to incorporate the benefits of modular storage systems and the investment will pay for itself quickly with savings in time and waste.



### Safety

Ergonomic design allows for easier loading, access and retrieval of medications

### Future proofing

Modular storage allows for cabinets to be changed simply at a future date to suit different clinical procedures and storage requirements

### Space

Provides 43% more storage than an equivalent cabinet fitted with just shelves

### Flexibility

Internal accessories are fully transposable between units providing a single, flexible storage system.



Trays and baskets can be moved from unit to unit and are even interchangeable with the Systeméd range of trolleys



New Systeméd metal drugs cabinets

The 6G Barrd® Intelligent Security System

The new updated Health Building Note 14-02 recommends that:

“Electronic keys and appropriate electronic access cards are preferred to ensure suitable audit trails of storage access can be maintained.”

The 6G Barrd® Intelligent Security System for Level 1 drugs and medicines uses Mifare wifi technology which is the most widespread system available providing for the future with management for access control and full traceability.

The future of drugs management

- **No more keys**  
Compatible with most existing staff swipe cards
- **Audit trails**  
Cloud based system with access to full audit trail
- **Manage users**  
Ability to add and delete users
- **Remote access**  
For off-site management control
- **Manual access**  
Management override key for fail safe access
- **Licensing agreement**  
Service package and backup support



Temporary use cards can be issued just for day use



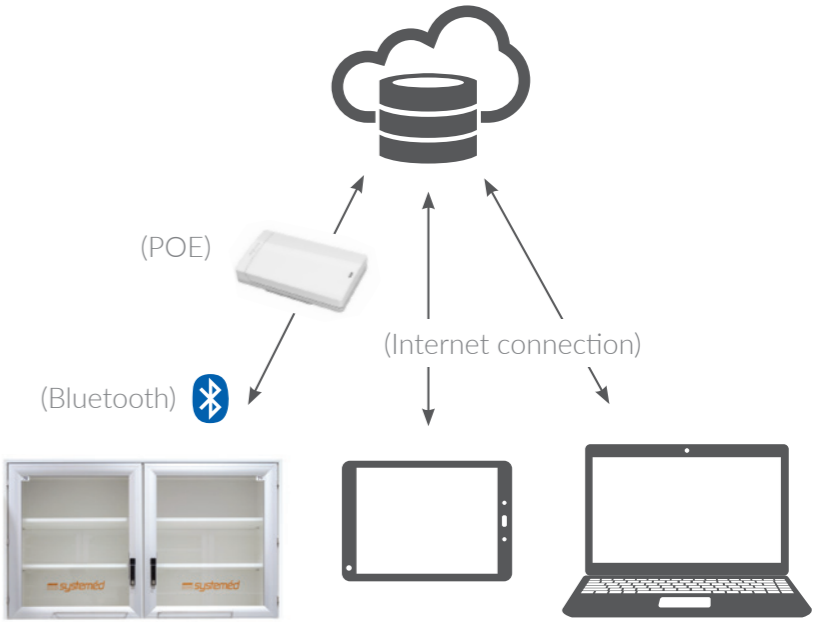
New Systeméd metal drugs cabinets

How it works

The Barrd® 6G swipe card lock fitted to a Systeméd cabinet connects by Bluetooth to a controller unit that is connected to the cloud via a POE data point.

The Controller unit is normally fitted in the same room or nearby (eg. in the corridor outside) and allows the lock to open when a configured swipe card is put against the lock reader. At the same time, it registers this information on the cloud.

An administrator will be assigned as a manager on the system and be able to register new cards and users via the internet, on a PC or tablet. The tablet option includes a scanner that makes adding new cards on to the system an easy task.



Access control

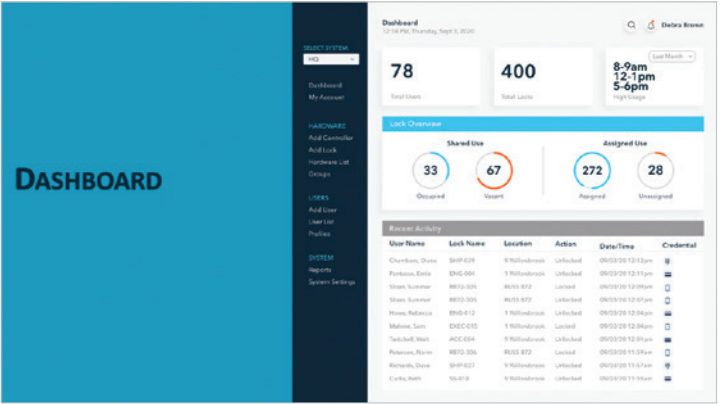
Access control is based on a hierarchy of up to 5 identifiable roles:

Level	Role	Permissions								
		Create System	Access Dashboard & Reports	Add Users, Managers & Locks	Edit Users & Locks	Disable Users & Locks	Assign Locks to Users	Override Locks in Person	Remote Unlock	Operate Assigned Locks
1	System Admin	✓	✓	✓	✓	✓	✓	✓	✓	✓
2	Ward Manager		✓		✓		✓	✓	✓	✓
3	Junior Nurse/Temp Staff									✓

The management portal

Stirling Medical & Scientific Ltd will provide users with a unique login password to access the management portal.

System administrators have access to the on-line portal where they can add or delete users along with access to the dashboard for specific lock and system reports for auditing purposes.



New Systeméd metal drugs cabinets

Full height, floor mounted cupboards

SDT01



The SDT01 cabinet is fitted with x5 full depth adjustable shelves as standard with provision for additional shelves if required.

Solid door option

SIZE (W x D x H) (including 100mm plinth)	SECURITY LOCK		BARRD SWIPE CARD LOCK	
	SOLID DOOR L/H	SOLID DOOR R/H	SOLID DOOR L/H	SOLID DOOR R/H
T60 655 x 450 x 2100mm	SDT01.6545.11S	SDT01.6545.12S	SDT01.6545.11B	SDT01.6545.12B
T40 455 x 650 x 2100mm	SDT01.4565.11S	SDT01.4565.12S	SDT01.4565.11B	SDT01.4565.12B
T40/40 455 x 450 x 2100mm	SDT01.4565.12B	SDT01.4545.12S	SDT01.4545.11B	SDT01.4545.12B

Glass door option

SIZE (W x D x H) (including 100mm plinth)	SECURITY LOCK		BARRD SWIPE CARD LOCK	
	GLASS DOOR L/H	GLASS DOOR R/H	GLASS DOOR L/H	GLASS DOOR R/H
T60 655 x 450 x 2100mm	SDT01.6545.21S	SDT01.6545.22S	SDT01.6545.21B	SDT01.6545.22B
T40 455 x 650 x 2100mm	SDT01.4565.21S	SDT01.4565.22S	SDT01.4565.21B	SDT01.4565.22B
T40/40 455 x 450 x 2100mm	SDT01.4545.21S	SDT01.4545.22S	SDT01.4545.21B	SDT01.4545.22B

New Systeméd metal drugs cabinets

Full height, floor mounted cupboards

SDT03



The SDT03 cabinet is suited for the storage of large items and supplied with x8 200mm ABS baskets, supported by the Systeméd support wall system.

Solid door option

SIZE (W x D x H) (including 100mm plinth)	SECURITY LOCK		BARRD SWIPE CARD LOCK	
	SOLID DOOR L/H	SOLID DOOR R/H	SOLID DOOR L/H	SOLID DOOR R/H
T60 655 x 450 x 2100mm	SDT03.6545.11S	SDT03.6545.12S	SDT03.6545.11B	SDT03.6545.12B
T40 455 x 650 x 2100mm	SDT03.4565.11S	SDT03.4565.12S	SDT03.4565.11B	SDT03.4565.12B

Glass door option

SIZE (W x D x H) (including 100mm plinth)	SECURITY LOCK		BARRD SWIPE CARD LOCK	
	GLASS DOOR L/H	GLASS DOOR R/H	GLASS DOOR L/H	GLASS DOOR R/H
T60 655 x 450 x 2100mm	SDT03.6545.21S	SDT03.6545.22S	SDT03.6545.21B	SDT03.6545.22B
T40 455 x 650 x 2100mm	SDT03.4565.21S	SDT03.4565.22S	SDT03.4565.21B	SDT03.4565.22B

SDT02



The SDT02 cabinet is suited for the storage of medium to large items and is supplied with x4 200mm deep and x7 100mm deep ABS baskets, supported by the Systeméd support wall system which includes built-in stop and tilt feature for high level items.

Solid door option

SIZE (W x D x H) (including 100mm plinth)	SECURITY LOCK		BARRD SWIPE CARD LOCK	
	SOLID DOOR L/H	SOLID DOOR R/H	SOLID DOOR L/H	SOLID DOOR R/H
T60 655 x 450 x 2100mm	SDT02.6545.11S	SDT02.6545.12S	SDT02.6545.11B	SDT02.6545.12B
T40 455 x 650 x 2100mm	SDT02.4565.11S	SDT02.4565.12S	SDT02.4565.11B	SDT02.4565.12B

Glass door option

SIZE (W x D x H) (including 100mm plinth)	SECURITY LOCK		BARRD SWIPE CARD LOCK	
	GLASS DOOR L/H	GLASS DOOR R/H	GLASS DOOR L/H	GLASS DOOR R/H
T60 655 x 450 x 2100mm	SDT02.6545.21S	SDT02.6545.22S	SDT02.6545.21B	SDT02.6545.22B
T40 455 x 650 x 2100mm	SDT02.4565.21S	SDT02.4565.22S	SDT02.4565.21B	SDT02.4565.22B

SDT04



The SDT04 cabinet is fitted with a variety of accessories to suit small to medium sized items. Accessories are supported by the Systeméd support wall system.

Solid door option

SIZE (W x D x H) (including 100mm plinth)	SECURITY LOCK		BARRD SWIPE CARD LOCK	
	SOLID DOOR L/H	SOLID DOOR R/H	SOLID DOOR L/H	SOLID DOOR R/H
T60 655 x 450 x 2100mm	SDT04.6545.11S	SDT04.6545.12S	SDT04.6545.11B	SDT04.6545.12B
T40 455 x 650 x 2100mm	SDT04.4565.11S	SDT04.4565.12S	SDT04.4565.11B	SDT04.4565.12B

Glass door option

SIZE (W x D x H) (including 100mm plinth)	SECURITY LOCK		BARRD SWIPE CARD LOCK	
	GLASS DOOR L/H	GLASS DOOR R/H	GLASS DOOR L/H	GLASS DOOR R/H
T60 655 x 450 x 2100mm	SDT04.6545.21S	SDT04.6545.22S	SDT04.6545.21B	SDT04.6545.22B
T40 455 x 650 x 2100mm	SDT04.4565.21S	SDT04.4565.22S	SDT04.4565.21B	SDT04.4565.22B



New Systeméd metal drugs cabinets

Full height, floor mounted cupboards

SDT05



The SDT05 cabinet is based on the CE05 model with heavy duty wire baskets on telescopic runners and particularly suited for the storage of fluids and heavy items.

Solid door option

SIZE (W x D x H) (including 100mm plinth)	SECURITY LOCK		BARRD SWIPE CARD LOCK	
	SOLID DOOR L/H	SOLID DOOR R/H	SOLID DOOR L/H	SOLID DOOR R/H
T60 655 x 450 x 2100mm	SDT05.6545.11S	SDT05.6545.12S	SDT05.6545.11B	SDT05.6545.12B
T40 455 x 650 x 2100mm	SDT05.4565.11S	SDT05.4565.12S	SDT05.4565.11B	SDT05.4565.12B

Glass door option

SIZE (W x D x H) (including 100mm plinth)	SECURITY LOCK		BARRD SWIPE CARD LOCK	
	GLASS DOOR L/H	GLASS DOOR R/H	GLASS DOOR L/H	GLASS DOOR R/H
T60 655 x 450 x 2100mm	SDT05.6545.21S	SDT05.6545.22S	SDT05.6545.21B	SDT05.6545.22B
T40 455 x 650 x 2100mm	SDT05.4565.21S	SDT05.4565.22S	SDT05.4565.21B	SDT05.4565.22B

SDT06



The SDT06 cabinet includes x7 polycarbonate trays on 100% extension telescopic runners allowing for both hands to be free to access drugs and medications while the tray is securely supported. The cabinets include profiled shelves to the top section to help prevent medications going out of date from being out of sight and a telescopic dispensing shelf.

Solid door option

SIZE (W x D x H) (including 100mm plinth)	SECURITY LOCK		BARRD SWIPE CARD LOCK	
	SOLID DOOR L/H	SOLID DOOR R/H	SOLID DOOR L/H	SOLID DOOR R/H
T60 655 x 450 x 2100mm	SDT06.6545.11S	SDT06.6545.12S	SDT06.6545.11B	SDT06.6545.12B
T40 455 x 650 x 2100mm	SDT06.4565.11S	SDT06.4565.12S	SDT06.4565.11B	SDT06.4565.12B

Glass door option

SIZE (W x D x H) (including 100mm plinth)	SECURITY LOCK		BARRD SWIPE CARD LOCK	
	GLASS DOOR L/H	GLASS DOOR R/H	GLASS DOOR L/H	GLASS DOOR R/H
T60 655 x 450 x 2100mm	SDT06.6545.21S	SDT06.6545.22S	SDT06.6545.21B	SDT06.6545.22B
T40 455 x 650 x 2100mm	SDT06.4565.21S	SDT06.4565.22S	SDT06.4565.21B	SDT06.4565.22B

New Systeméd metal drugs cabinets

Base cupboards

SDB31



The SDB31 cabinet is supplied complete with x1 adjustable shelf.

Solid door option

SIZE (W x D x H) (including 100mm plinth)	SECURITY LOCK		BARRD SWIPE CARD LOCK	
	SOLID DOOR L/H	SOLID DOOR R/H	SOLID DOOR L/H	SOLID DOOR R/H
B60 655 x 450 x 860mm	SDB31.6545.11S	SDB31.6545.12S	SDB31.6545.11B	SDB31.6545.12B
B40 455 x 650 x 860mm	SDB31.4565.11S	SDB31.4565.12S	SDB31.4565.11B	SDB31.4565.12B
B40/40 455 x 450 x 860mm	SDB31.4545.11S	SDB31.4545.12S	SDB31.4545.11B	SDB31.4545.12B

Glass door option

SIZE (W x D x H) (including 100mm plinth)	SECURITY LOCK		BARRD SWIPE CARD LOCK	
	GLASS DOOR L/H	GLASS DOOR R/H	GLASS DOOR L/H	GLASS DOOR R/H
B60 655 x 450 x 860mm	SDB31.6545.21S	SDB31.6545.22S	SDB31.6545.21B	SDB31.6545.22B
B40 455 x 650 x 860mm	SDB31.4565.21S	SDB31.4565.22S	SDB31.4565.21B	SDB31.4565.22B
B40/40 455 x 450 x 860mm	SDB31.4545.21S	SDB31.4545.22S	SDB31.4545.21B	SDB31.4545.22B

SDB32



The SDB32 cabinet is supplied complete with a very popular combination of trays and baskets.

Solid door option

SIZE (W x D x H) (including 100mm plinth)	SECURITY LOCK		BARRD SWIPE CARD LOCK	
	SOLID DOOR L/H	SOLID DOOR R/H	SOLID DOOR L/H	SOLID DOOR R/H
B60 655 x 450 x 860mm	SDB32.6545.11S	SDB32.6545.12S	SDB32.6545.11B	SDB32.6545.12B
B40 455 x 650 x 860mm	SDB32.4565.11S	SDB32.4565.12S	SDB32.4565.11B	SDB32.4565.12B

Glass door option

SIZE (W x D x H) (including 100mm plinth)	SECURITY LOCK		BARRD SWIPE CARD LOCK	
	GLASS DOOR L/H	GLASS DOOR R/H	GLASS DOOR L/H	GLASS DOOR R/H
B60 655 x 450 x 860mm	SDB32.6545.21S	SDB32.6545.22S	SDB32.6545.21B	SDB32.6545.22B
B40 455 x 650 x 860mm	SDB32.4565.21S	SDB32.4565.22S	SDB32.4565.21B	SDB32.4565.22B

SDB33



The SDB33 cabinet is supplied complete with x4 polycarbonate trays on 100% extension telescopic runners for full, hands free access to medications.

Solid door option

SIZE (W x D x H) (including 100mm plinth)	SECURITY LOCK		BARRD SWIPE CARD LOCK	
	SOLID DOOR L/H	SOLID DOOR R/H	SOLID DOOR L/H	SOLID DOOR R/H
B60 655 x 450 x 860mm	SDB33.6545.11S	SDB33.6545.12S	SDB33.6545.11B	SDB33.6545.12B
B40 455 x 650 x 860mm	SDB33.4565.11S	SDB33.4565.12S	SDB33.4565.11B	SDB33.4565.12B

Glass door option

SIZE (W x D x H) (including 100mm plinth)	SECURITY LOCK		BARRD SWIPE CARD LOCK	
	GLASS DOOR L/H	GLASS DOOR R/H	GLASS DOOR L/H	GLASS DOOR R/H
B60 655 x 450 x 860mm	SDB33.6545.21S	SDB33.6545.22S	SDB33.6545.21B	SDB33.6545.22B
B40 455 x 650 x 860mm	SDB33.4565.21S	SDB33.4565.22S	SDB33.4565.21B	SDB33.4565.22B



New Systeméd metal drugs cabinets

Overbench wall cupboards

SDW61/SDW62



The SDW61 and SDW62 cabinets are small sized overbench drugs cabinets and are supplied complete with x2 adjustable shelves.

Solid door option

SIZE (W x D x H)	SECURITY LOCK		BARRD SWIPE CARD LOCK	
	SOLID DOOR L/H	SOLID DOOR R/H	SOLID DOOR L/H	SOLID DOOR R/H
W40/30 455 x 350 x 600mm	SDW61.4535.11S	SDW61.4535.12S	SDW61.4535.11B	SDW61.4535.12B
W40/30 (760) 455 x 350 x 760mm	SDW62.4535.11S	SDW62.4535.12S	SDW62.4535.11B	SDW62.4535.12B

Glass door option

SIZE (W x D x H)	SECURITY LOCK		BARRD SWIPE CARD LOCK	
	GLASS DOOR L/H	GLASS DOOR R/H	GLASS DOOR L/H	GLASS DOOR R/H
W40/30 455 x 350 x 600mm	SDW61.4535.21S	SDW61.4535.22S	SDW61.4535.21B	SDW61.4535.22B
W40/30 (760) 455 x 350 x 760mm	SDW62.4535.21S	SDW62.4535.22S	SDW62.4535.21B	SDW62.4535.22B

SDW63/SDW64



The SDW63 and SDW64 cabinets are medium sized overbench drugs cabinets supplied complete with x2 adjustable shelves.

Solid door option

SIZE (W x D x H)	SECURITY LOCK		BARRD SWIPE CARD LOCK	
	SOLID DOOR L/H	SOLID DOOR R/H	SOLID DOOR L/H	SOLID DOOR R/H
W60/30 655 x 350 x 600mm	SDW63.6535.11S	SDW63.6535.12S	SDW63.6535.11B	SDW63.6535.12B
W60/30 (760) 655 x 350 x 760mm	SDW64.6535.11S	SDW64.6535.12S	SDW64.6535.11B	SDW64.6535.12B

Glass door option

SIZE (W x D x H)	SECURITY LOCK		BARRD SWIPE CARD LOCK	
	GLASS DOOR L/H	GLASS DOOR R/H	GLASS DOOR L/H	GLASS DOOR R/H
W60/30 455 x 650 x 600mm	SDW63.6535.21S	SDW63.6535.22S	SDW63.6535.21B	SDW63.6535.22B
W60/30 (760) 655 x 350 x 760mm	SDW64.6535.21S	SDW64.6535.22S	SDW64.6535.21B	SDW64.6535.22B

SDW65/SDW66



The SDW65 and SDW66 cabinets are small sized overbench drugs cabinets supplied complete with x4 100mm deep polycarbonate baskets.

Solid door option

SIZE (W x D x H)	SECURITY LOCK		BARRD SWIPE CARD LOCK	
	SOLID DOOR L/H	SOLID DOOR R/H	SOLID DOOR L/H	SOLID DOOR R/H
W40/30 455 x 350 x 600mm	SDW65.4535.11S	SDW65.4535.12S	SDW65.4535.11B	SDW65.4535.12B
W40/30 (760) 455 x 350 x 760mm	SDW66.4535.11S	SDW66.4535.12S	SDW66.4535.11B	SDW66.4535.12B

Glass door option

SIZE (W x D x H)	SECURITY LOCK		BARRD SWIPE CARD LOCK	
	GLASS DOOR L/H	GLASS DOOR R/H	GLASS DOOR L/H	GLASS DOOR R/H
W40/30 455 x 350 x 600mm	SDW65.4535.21S	SDW65.4535.22S	SDW65.4535.21B	SDW65.4535.22B
W40/30 (760) 455 x 350 x 760mm	SDW66.4535.21S	SDW66.4535.22S	SDW66.4535.21B	SDW66.4535.22B

New Systeméd metal drugs cabinets

Bench mounted cupboards

SDW81



The SDW81 cabinet is a large capacity bench mounted cabinet supplied with x3 adjustable shelves.

Solid door option

SIZE (W x D x H)	SECURITY LOCK		BARRD SWIPE CARD LOCK	
	SOLID DOOR L/H	SOLID DOOR R/H	SOLID DOOR L/H	SOLID DOOR R/H
W60 (1200) 655 x 450 x 1200mm	SDW81.6545.11S	SDW81.6545.12S	SDW81.6545.11B	SDW81.6545.12B

Glass door option

SIZE (W x D x H)	SECURITY LOCK		BARRD SWIPE CARD LOCK	
	GLASS DOOR L/H	GLASS DOOR R/H	GLASS DOOR L/H	GLASS DOOR R/H
W60 (1200) 655 x 450 x 1200mm	SDW81.6545.21S	SDW81.6545.22S	SDW81.6545.21B	SDW81.6545.22B

SDW82



The SDW82 cabinet is a large capacity bench mounted cabinet supplied with x3 polycarbonate trays on telescopic runners and x3 profiled shelves.

Solid door option

SIZE (W x D x H)	SECURITY LOCK		BARRD SWIPE CARD LOCK	
	SOLID DOOR L/H	SOLID DOOR R/H	SOLID DOOR L/H	SOLID DOOR R/H
W60 (1200) 655 x 450 x 1200mm	SDW82.6545.11S	SDW82.6545.12S	SDW82.6545.11B	SDW82.6545.12B

Glass door option

SIZE (W x D x H)	SECURITY LOCK		BARRD SWIPE CARD LOCK	
	GLASS DOOR L/H	GLASS DOOR R/H	GLASS DOOR L/H	GLASS DOOR R/H
W60 (1200) 655 x 450 x 1200mm	SDW82.6545.21S	SDW82.6545.22S	SDW82.6545.21B	SDW82.6545.22B

SDW83



The SDW83 is a large capacity bench mounted cabinet with HTM71 accessories on support wall system providing dense, efficient storage.

Solid door option

SIZE (W x D x H)	SECURITY LOCK		BARRD SWIPE CARD LOCK	
	SOLID DOOR L/H	SOLID DOOR R/H	SOLID DOOR L/H	SOLID DOOR R/H
W60 (1200) 655 x 450 x 1200mm	SDW83.6545.11S	SDW83.6545.12S	SDW83.6545.11B	SDW83.6545.12B

Glass door option

SIZE (W x D x H)	SECURITY LOCK		BARRD SWIPE CARD LOCK	
	GLASS DOOR L/H	GLASS DOOR R/H	GLASS DOOR L/H	GLASS DOOR R/H
W60 (1200) 655 x 450 x 1200mm	SDW83.6545.21S	SDW83.6545.22S	SDW83.6545.21B	SDW83.6545.22B



Associated components

Sloping tops and fillers

Wall mounted cabinets and tall cabinets fitted in clinical areas will normally be fitted with sloping tops to help with cleaning for infection prevention. Full height sloping clad end panels are used along with lengths of top section (comprising a front trim and top panel) to suit run lengths. A simple top box option is also available. White MFC filler panels to close off gaps to walls and to suit cabinet heights are available in 50mm and 100mm widths as indicated.

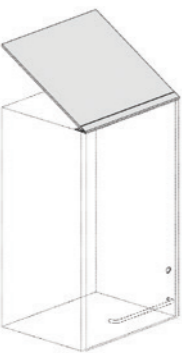
Full height sloping side clads and fillers (for single units and cabinet runs)



CARCASE DEPTH	600MM HIGH WALL CABINET	760MM HIGH WALL CABINET	1200MM HIGH BENCH MOUNTED CABINET	2100MM TALL CABINET
350mm	SL/EC/35-60	SL/EC/35-76	SL/EC/35-12	–
450mm	–	–	SL/EC/45-12	SL/EC/45-20
650mm	–	–	–	SL/EC/65-20

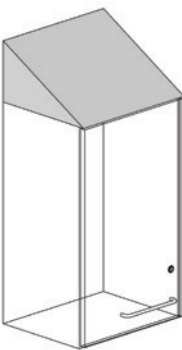
FILLERS				
WIDTH	600MM LONG	760MM LONG	1200MM LONG	2000MM LONG
50mm	WF/50	BF/50	TF/50	TF/50
100mm	WF/100	BF/100	TF/100	TF/100

Top panel and support trim



TOP PANEL & SUPPORT TRIM	350MM DEEP CABINET	450MM DEEP CABINET	650MM DEEP CABINET
1m Lengths	SL/TP/35	SL/TP/45	SL/TP/65

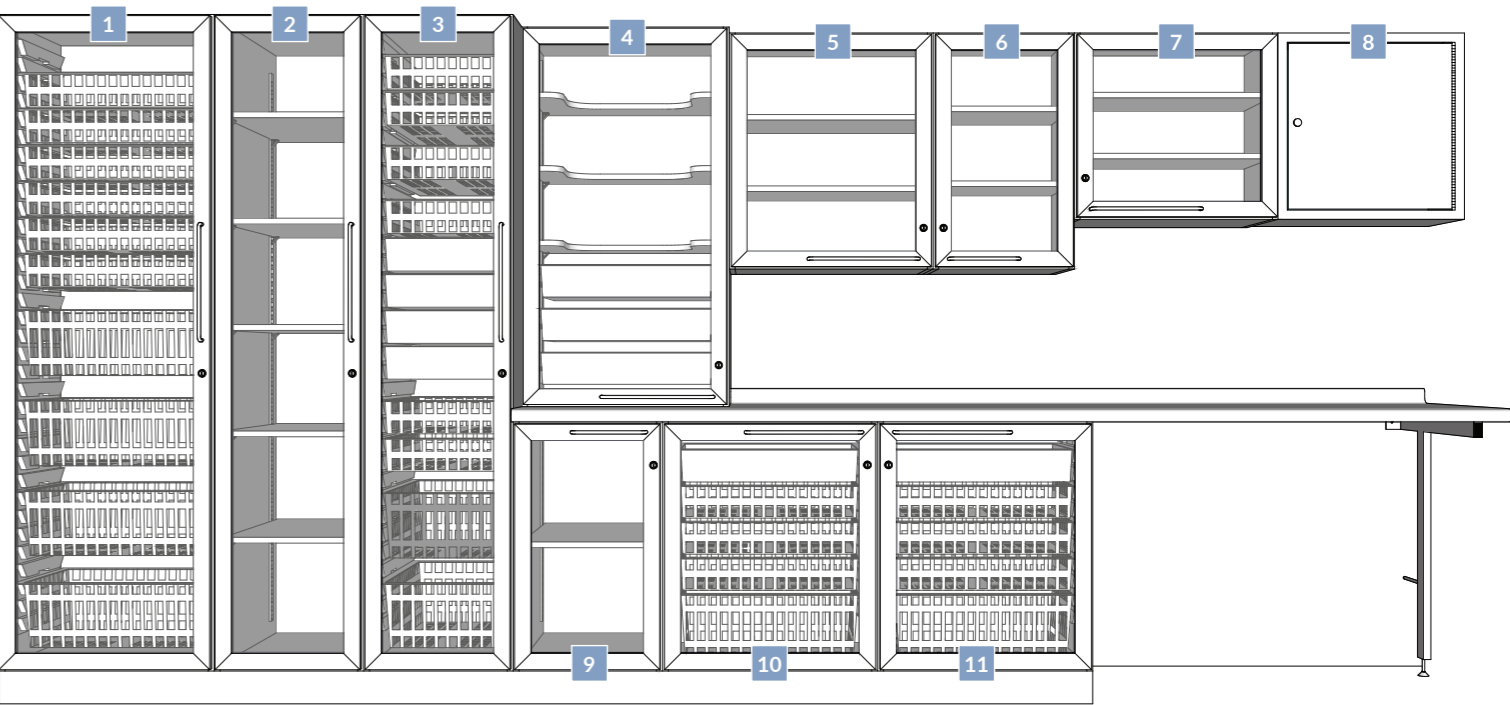
Sloping top boxes (for single units)



CABINET WIDTH	250MM DEEP CABINET	300MM DEEP CABINET	350MM DEEP CABINET	450MM DEEP CABINET	650MM DEEP CABINET
400mm	SL/TB/4025	SL/TB/4030	SL/TB/4035	SL/TB/4045	SL/TB/4065
455mm	SL/TB/4525	SL/TB/4530	SL/TB/4535	SL/TB/4545	SL/TB/4565
600mm	SL/TB/6025	SL/TB/6030	SL/TB/6035	–	–
655mm	–	–	SL/TB/6535	SL/TB/6545	SL/TB/6565

Design considerations

At the early stages of design it may not be known exactly what type of accessories will be required; this is often left to the hospital staff at a later date. The illustration below shows a typical run of cupboards found in a clinical space comprising a combination of cabinet sizes that can be chosen for both drugs and consumables.



Cabinet examples

- [ 1 ] T60 Tall cabinet  
Fitted with x4 200mm deep and x7 100mm deep ABS baskets

[ 2 ] T40 Tall cabinet  
Fitted with x5 full depth adjustable shelves

[ 3 ] T40 Tall cabinet  
Fitted with x2 200mm deep and x6 100mm deep ABS baskets and x4 100mm deep polycarbonate trays

[ 4 ] W60 (1200) bench mounted cabinet  
Fitted with x3 polycarbonate trays on telescopic runners and x3 profiled shelves

[ 5 ] W60/30 (760) wall cabinet  
Fitted with x2 adjustable shelves

[ 6 ] W40/30 (760) wall cabinet  
Fitted with x2 adjustable shelves
- [ 7 ] W60/30 wall cabinet  
Fitted with x2 adjustable shelves

[ 8 ] Large CD safe  
Fitted with x2 adjustable shelves

[ 9 ] B40 base cabinet  
Fitted with x1 adjustable shelf

[ 10 ] B60 base cabinet  
Fitted with x1 200mm deep and x3 100mm deep ABS baskets and x1 100mm deep polycarbonate tray

[ 11 ] B60 base cabinet  
Fitted with x1 200mm deep and x3 100mm deep ABS baskets and x1 100mm deep polycarbonate tray





# 2

Systeméd  
controlled drugs  
safes

Systeméd controlled drugs safes

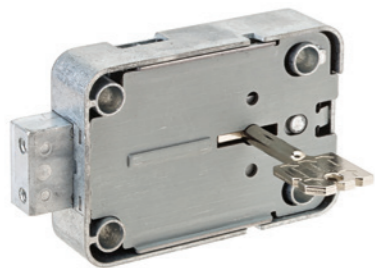
Systeméd white powder-coated drugs safes are manufactured from 2mm thick steel and designed to meet and exceed the requirements of the 'Misuse of Drugs' (Safe Custody) Regulations 1973 and BS2881: 1989 Level 2.

There are six standard sizes available, all of which are suitable for either fitting inside a larger cupboard or mounted as individual cupboards.

Safes are supplied with a heavy duty 7 lever lock (5000 combinations), a non-mastered key, 18mm bolt throw and a door operated electrical switch for wiring to a remote alarm system. Small and medium safes come with one internal shelf and the large safe with two internal shelves. All safes are supplied with a right-hand hinged door as standard and a door activated micro switch for connection to a remote alarm.

Controlled drugs safes should be positioned so that they can be bolted to a wall of solid construction. Where this is not possible the safe must be bolted through the wall to a welded plate to embrace as many studs as possible.

Please refer to the recommendations and safe fixing points on the opposite page.



804010 Controlled drugs lock

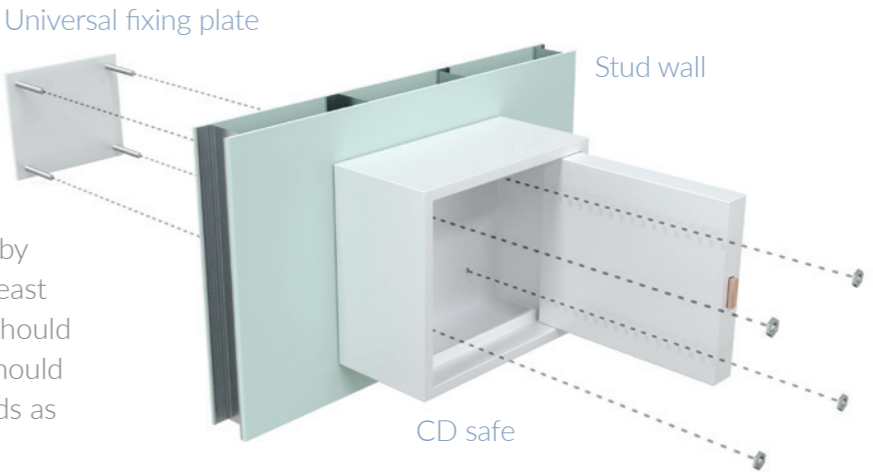
Systeméd controlled drugs safes are supplied with a heavy duty 7 lever lock with 5000 combinations and non-mastered key. 18mm bolt throw. Suitable for BS2881 Level 2 Security standards.

Systeméd controlled drugs safes

Safe fixing methods

Controlled drugs safes should be positioned so that they can be bolted to a wall of solid construction (eg. brick, concrete blocks or reinforced concrete).

Where this is not possible the safe should be fixed by bolts passing through the wall to a steel plate of at least 3mm thickness (a universal fixing plate). The plate should be the same size as the rear of the cupboard and should be positioned so as to include as many internal studs as possible between the bolts (BS1881).



UNIVERSAL  
FIXING PLATE  
CDSBPU

Systeméd white powder-coated drugs safes

Large (CDW96)  
655 x 350 x 760mm

Large (CDW95)  
455 x 350 x 760mm

Large (CDW94)  
600 x 300 x 600mm

Medium (CDW92)  
400 x 250 x 600mm

Medium (CDW93)  
600 x 250 x 350mm

Small (CDW91)  
400 x 250 x 350mm

SIZE (W x D x H)	L/H DOOR	R/H DOOR
Large 655 x 350 x 760mm	CDW96.6535.11S	CDW96.6535.12S
Large 455 x 350 x 760mm	CDW95.4535.11S	CDW95.6535.12S
Large 600 x 300 x 600mm	CDW94.6030.11S	CDW94.6030.12S
Medium 400 x 250 x 600mm	CDW92.4025.11S	CDW92.4025.12S
Medium 600 x 250 x 350mm	CDW93.6025.11S	CDW93.6025.12S
Small 400 x 250 x 350mm	CDW91.4025.11S	CDW91.4025.12S





# 3

Regulations and  
guidance notes

Overview

There are Regulations, British Standards and numerous notices regarding the storage of drugs and medicines in healthcare facilities. Some of the publications overlap and deal with different aspects of the same thing. For example, both BS2881 and 'The Misuse of Controlled Drugs (Safe Custody) Regulations 1973' include instructions relating to the storage of controlled drugs.

Health Building Notes (HBNs) give best practice guidance on the design and planning of new healthcare buildings and on the adaptation/extension of existing facilities. The notes normally clarify whether something is law, recommended or permitted by using the verbs 'must', 'should' or 'may'. All of the publications are intended to provide a clean and safe environment for the appropriate storage of medicines to reduce waste and medication error.

This document takes information from various publications to provide a brief summary only.

Guidance details

Environment

The physical dimensions of medications storage and preparation areas should be appropriate for the volume and characteristics of the medication being stored and prepared in those areas, and must take account of any legal requirements or specific risks identified by staff with knowledge of the clinical area.

Healthcare organisations have a duty of care for safe medicines management. This will require risk assessments of the storage, distribution, preparation and administration of medicines for the purposes of security, and for patient, visitor and staff safety. Records of decision-making and arrangements should be in place, updated and accessible.

The Medicines storage capacity and preparation areas required for a clinical area should be calculated based on the following: Regulatory and legislative requirements, risk assessment, local policies, clinical knowledge, and the nature of the clinical area.

Recent guidance indicates that metal cupboards should be provided for the storage of medicines to ensure compliance with BS2881.

Where possible, medicines cupboards should be in a lockable Clean Utility room accessible to authorised staff only, not be visible from an outside window on ground level and not positioned near heat sources. Medications should be stored at a temperature of between 8°C and 25°C. Refrigerated medication should be stored between 2°C and 8°C.

The minimum level of lighting recommended for medication storage rooms and areas is 500 Lux. Additional task level lighting of 1000 Lux is recommended for verifying and preparing selected medication. LED lighting strips can be added to the underside of cabinets or shelves if necessary.

A worktop area of 2m<sup>2</sup> is recommended for drugs and medications preparations in a typical 24 bed ward.

Health Building Note '00-03: Clinical and Clinical Support Spaces' provides design guidance and indicated room layouts for medicine stores and preparation rooms in acute settings.

Guidance on the storage of drugs in anaesthetic rooms is provided by the Royal College of Anaesthetists and the Association of Anaesthetists of Great Britain and Ireland (2016).

Locks

BS2881 allows for locks for security Level 1 cabinets to be a lower grade than the locks required for Levels 2 and 3. All stock medicines cupboards (except cupboards for controlled drugs) in a distinct clinical area or department (for example a ward) can have locks that use identical keys or the same key suite.

Locking mechanisms other than mechanical keys may be used, provided they comply with BS3621, where appropriate.

Appropriate electronic access cards are preferred to ensure that suitable audit trails of access can be maintained.

Multiple keys should not be available for controlled drugs cupboards.

BS3621 locks require a minimum of 5 levers and 1000 key differs with anti-drilling and anti-picking qualities. Systeméd controlled drugs locks are supplied with a heavy duty 7 lever lock with 5000 combinations and non-mastered key, plus an 18mm bolt throw which comply with BS3621 and BS2881 Level 2 security standards.

Use of standard keypads, where the number is shared with a number of users are not considered secure and are not recommended. (Patient Safety notice, PSN055, Oct 2020). All locks shall be of such design that the key cannot be removed unless the mechanism is in the locked position.

BS2881

BS2881 has to do with the standards to which a drugs cabinet is designed to resist an attack. There are three levels within the standard, with BS2881 Level 1 being the minimum standard required for the storage of medicines. This stipulates, for example, that there should be no way to gain entry in a 5-minute knife attack, and cabinets should be resistant to a 980 newtons downward force. Cabinets should also be located in a medical or staff-observed location.

BS2881 states that it is important to recognise that compliance with security standards is not just to do with the construction of the cabinet itself but also the fixings used, wall construction, staffing and safety procedures, as indicated in the following quote:

“Although the cupboard covered by this British Standard are of robust construction and are fitted with thief-resistant locking mechanisms, the prevention of unauthorised access to the contents depends also on the security of the fixing of the cupboard, the level of surveillance in the premises in which it is installed (which includes the presence of alarm systems) and the institution and maintenance of appropriate procedures for personnel who will have right of access.

A secure cupboard is of no avail if the key is indiscriminately available, if correct records are not kept, if it is possible to attempt forcible entry at leisure, or if it is easy to remove the unopened cupboard in order to gain entry later. The exact nature of the practices and precautions to be adopted depends upon the local circumstances...”

The cabinets used for the storage of Category A, B and C controlled drugs, need to provide greater resistance to attack and the minimum standard for this is BS2881, Level 2.

For Security Levels 2 and 3, the British Standard regulation recommends a fixing directly into a solid masonry or concrete wall or as stated, if this is not possible: “The cupboard should be fixed by passing bolts through the wall. All nuts should be located within the cupboard and the bolts should be continuously welded at their heads to a steel plate of at least 3mm thickness and of a size not less than that of the back face of the cupboard. If the wall is of a partition type the plates should be positioned to include as many internal studs as possible between the bolts.”



The Misuse of Drugs (Safe Custody) Regulations 1973

As indicated, the Misuse of Drugs (Safe Custody) Regulations 1973 also has to do with the storage of controlled drugs and specifies details as to the construction of the storage cabinet and rooms details.

The regulation states that: “Nothing should be displayed outside a safe or cabinet to indicated that drugs are kept inside it”.

Traditionally, to comply with this regulation, controlled drugs safes have been positioned inside an outer drugs cabinet to provide additional security and be hidden. This practise also provides a secure location for the drugs records book.

However, it is worth noting that new guidance has indicated that in recent years the range and the quantity of controlled drugs required to be stored has increased and traditional designs of a quarter size cabinet within full size cupboards are too small to provide suitable controlled drug storage for a typical 24 bed ward (Health Building Note ‘14-02-Medicines storage in clinical areas’).

All Systeméd controlled drugs safes are built to the correct standards to be either fixed directly to a wall or fitted inside a larger cupboard.

Alarm lights that operate when the door is open should be positioned remotely. For example, outside the door entry or on a nurse base so that persons outside of the room can see when the safe door is open (HBN14-02).

Controlled drugs safe fitted inside a larger cupboard



Controlled drugs safe fixed directly to a wall



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Oxford Haemophilia & Thrombosis Centre



Stirling Medical have provided a fully rounded service on this project, from initial design to installation I cannot praise the team enough for the high level of service provided.

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Extremely happy with the quality of workmanship the positive attitude of the operatives. Procurement in terms of lead time has never been an issue and the communication with the office has always been effective.

Capital Projects Team Leader  
Southampton University Hospital





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