To make your workflow excellent.

SARSTEDT

Multi-Safe Disposal Boxes

For safe disposal!



From blood collection to “Multi-Safe” disposal – easy and safe!



Safety in everyday use

As a leading manufacturer of laboratory and medical products, we consider it our duty to offer a safe disposal option to complement our single-use products. As large and small waste items are disposed of differently, our extensive product range offers users a variety of disposal options. This variety is reflected in the different volumes, the insertion opening, the range of variants, right through to the closure mechanism.

We ensure that all boxes comply with at least TRBA 250 (German regulations), so that we can guarantee you safe handling of the disposal box. Naturally, our Multi-Safe disposal boxes also comply with international regulations such as UN 3291 and ISO 23907. As an independent family-run business, we are committed to the environment and future generations. Based on this responsibility, we continuously optimise our operations to promote social growth, minimise our environmental footprint and consistently protect human health.
Sustainable practices for our product ranges are shown through actions, not merely words. When developing, manufacturing and optimising our products, we prioritise resource-efficient processes and products, the use of reusable materials and the promotion of reusable systems. The new Multi-Safe REC range of disposal boxes, made from recycled plastic (Post-Consumer Recycled = PCR) is, alongside other sustainable product solutions, a current example of our commitment to sustainability. With up to 64 per cent recycled content in the entire box and a CO_2e reduction of up to 51 per cent, they also meet the requirements of ISO 23907 and UN 3291.




max. Füllhöhe/Max. filling/Limite de Remplissage/Límite de llenado/
daily closure
final closure
final closure
SARSTEDT Multi-Safe twin plus REC

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Multi-Safe sani & mini

Multi-Safe for on the go – the “little ones” with a “big” job

- Safe needle box for on the go
- Suitable for outpatient use by doctors, nurses and rescue services or for inclusion in medical and emergency kits
- One-handed opening and closing of the day latch and final closure
- Lid already assembled
- Compact

Up to **64%** recycled content!
Up to **51%** CO_2e reduction!

Multi-Safe **sani 200 REC**





You can find the certifications of the boxes in the overview on page 26.

Multi-Safe **mini 300 REC**





Up to **64%** recycled content!
Up to **51%** CO_2e reduction!

Multi-Safe sani 200 REC

Volume	Material	Container / Lid Colour	Design	Piece(s)/ carton	Piece(s)/ pallet	Case dimensions	Order no.
0,2 ml	Recycled Polypropylene	■ ■	Multi-Safe sani 200 REC	110	3.300	39,7 x 39,7 x 32,5 cm	77.3890.202

Multi-Safe mini 300 REC

Volume	Material	Container / Lid Colour	Design	Piece(s)/ carton	Piece(s)/ pallet	Case dimensions	Order no.
0,3 ml	Recycled polypropylene	■ ■	Multi-Safe mini 300 REC	135	2.700	60 x 40 x 31 cm	77.3890.203

Multi-Safe vario

The one with the large opening 2.0

- Easy assembly of the lid with snap hook
- Customisable opening size by snapping out sections. Please snap them out before use!
- Daily and final closure mechanisms allow for easy one-handed operation
- QR code on the box enables quick and direct access to the instructions for use
- Various removal and twist-off devices for needles, Luer systems and insulin pens
- Integrated stamp in the lid enables the easy and safe disconnection of the insulin pen when closing
- Compatible with standard trays
- Certified in line with DIN ISO 23907, UN 3291 and TRBA 250

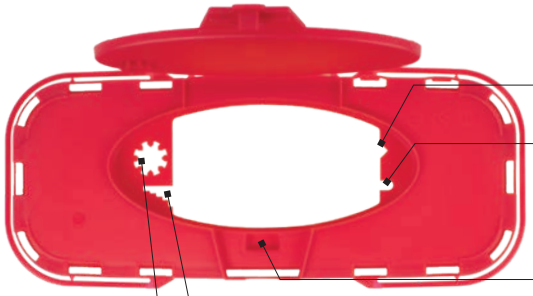




140 mm
240 mm
95 mm

Compatible with standard trays

You can find the certifications of the boxes in the overview on page 26.



Needles

Luer systems

With innovative **day closure and final closure** for one-handed operation.



Scalpels and Luer systems

Integrated stamp in the lid enables the insulin pen to be disconnected easily and safely when closing





Easy assembly of the lid thanks to snap hooks



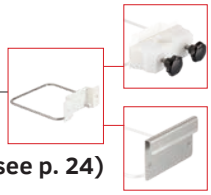
Clear fill level markings



Integrated QR code for direct online access to the user guide



Up to **64%** recycled content!
Up to **51%** CO_2e reduction!



Accessories for the Multi-Safe vario 2000 (see p. 24)

Multi-Safe vario

Volume	Material	Container / Lid Colour	Design	Piece(s)/ carton	Piece(s)/ pallet	Case dimensions	Order no.
2,0 l	Recycled polypropylene	■ ■	Multi-Safe vario 2000 REC	50	1.000	60 x 40 x 35,9 cm	77.3893.220

Multi-Safe twin plus REC

The disposal box with added safety!

- Optimised assembly of the lid with snap hook
- Innovative lid: the day closure and final closure enable one-handed operation
- The opening can be gradually enlarged by breaking off the sections. Please break them off before use!
- IML label (In-Mould Labelling) directly integrated during production, featuring product information in 9 languages
- A QR code on the box enables quick and direct access to the user guide
- Various removal and twist-off aids
- In particular, the integrated stamp for insulin pens offers significant advantages, as by pressing down on the lid, the stamp pushes the insulin pens all the way through into the box
- Various table or wall mounts allow the boxes to be secured in many locations so they cannot be knocked over (see Accessories, p. 24)
- Also available in a version with biohazard labelling
- Certified in line with DIN ISO 23907, UN 3291 and TRBA 250

Up to **64%** recycled content!
Up to **51%** CO_2e reduction!





Featuring an innovative day and final closure system with one-handed operation and the inscription ‘Press for final closure’



Integrated QR code for direct online access to the user guide

Also available with **biohazard labelling**

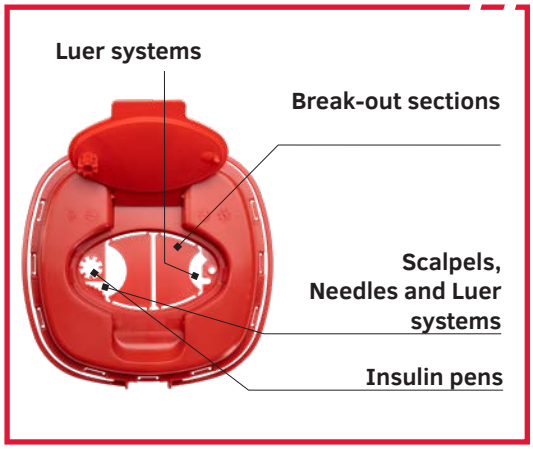
Directly integrated label in 9 languages – labels also available as customised solutions



twin plus accessories (see p. 24)

ISO 23907 · TRBA 250 certified · UN CERTIFIED

You can find the certifications of the boxes in the overview on page 26.



Multi-Safe
twin plus 500 REC



Multi-Safe
twin plus 1500 REC



Multi-Safe
twin plus 2000 REC



Multi-Safe
twin plus 2500 REC



Multi-Safe
twin plus 3000 REC



Multi-Safe
twin plus 5000 REC



Multi-Safe twin plus REC

Volume	Material	Container / Lid Colour	Design	Piece(s)/ carton	Piece(s)/ pallet	Case dimensions	Order no.
0,5 l	Recycled Polypropylene		Multi-Safe twin plus 500 REC	126	3.024	59,9 x 26,6 x 45,1 cm	77.3884.205
0,5 l	Recycled Polypropylene		Multi-Safe twin plus 500 REC with biohazard labelling	126	3.024	59,9 x 26,6 x 45,1 cm	77.3884.305
1,5 l	Recycled Polypropylene		Multi-Safe twin plus 1500 REC	94	1.128	80 x 40 x 38 cm	77.3884.215
1,5 l	Recycled Polypropylene		Multi-Safe twin plus 1500 REC with biohazard labelling	94	1.128	80 x 40 x 38 cm	77.3884.315
2,0 l	Recycled Polypropylene		Multi-Safe twin plus 2000 REC	80	960	80 x 40 x 38 cm	77.3884.220
2,0 l	Recycled Polypropylene		Multi-Safe twin plus 2000 REC with biohazard labelling	80	960	80 x 40 x 38 cm	77.3884.320
2,5 l	Recycled Polypropylene		Multi-Safe twin plus 2500 REC	70	840	80 x 40 x 38 cm	77.3884.225
2,5 l	Recycled Polypropylene		Multi-Safe twin plus 2500 REC with biohazard labelling	70	840	80 x 40 x 38 cm	77.3884.325
3,0 l	Recycled Polypropylene		Multi-Safe twin plus 3000 REC	62	744	80 x 40 x 38 cm	77.3884.230
3,0 l	Recycled Polypropylene		Multi-Safe twin plus 3000 REC with biohazard labelling	62	744	80 x 40 x 38 cm	77.3884.330
5,0 l	Recycled Polypropylene		Multi-Safe twin plus 5000 REC	34	408	80 x 40 x 38 cm	77.3884.250
5,0 l	Recycled Polypropylene		Multi-Safe twin plus 5000 REC with biohazard labelling	34	408	80 x 40 x 38 cm	77.3884.350

Multi-Safe euroMatic® REC

Sophisticated and innovatively designed – the premium model

Up to **64%** recycled content!
Up to **51%** CO_2e reduction!

- Square container shape
- Tough container and lid
- Anti-tip mounting with adhesive adapter and/or wall holder (see accessories on page 24)
- Innovative day and final closure allow one-handed operation of the lid (pressing the red ‘button’ causes the lid to open automatically)
- Hinges on the day lid allow for multiple openings and closings; the secure end lock becomes visible when the yellow ring is folded out
- One-hand operation and large disposal opening enable fast and safe disposal of bulky objects
- Side grooves at the top edge visually confirm the closure of the container
- Side handle
- Various removal and twist-off aids

Pressing the red button opens the lid automatically

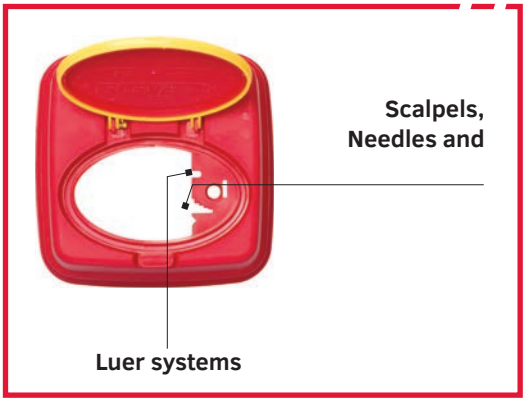


Integrated QR code for direct online access to the user guide

Also **available** with biohazard marking



EuroMatic® accessories (see p.24)



euroMatic® 7000 REC

euroMatic® 6000 REC

euroMatic® 4000 REC

euroMatic® 3000 REC



ISO 23907 · TRBA 250 certified · UN CERTIFIED

Multi-Safe euroMatic® REC

Volume	Material	Container / Lid Colour	Design	Piece(s)/ carton	Piece(s)/ pallet	Case dimensions	Order no.
7 l	Recycled Polypropylene		Multi-Safe euroMatic® 7000 REC	34	306	80,2 x 39,2 x 51,4 cm	77.3897.570
7 l	Recycled Polypropylene		Multi-Safe euroMatic® 7000 REC with biohazard labelling	34	306	80,2 x 39,2 x 51,4 cm	77.3897.670
6 l	Recycled Polypropylene		Multi-Safe euroMatic® 6000 REC	40	360	80,2 x 39,2 x 51,4 cm	77.3897.560
6 l	Recycled Polypropylene		Multi-Safe euroMatic® 6000 REC with biohazard labelling	40	360	80,2 x 39,2 x 51,4 cm	77.3897.660
4 l	Recycled Polypropylene		Multi-Safe euroMatic® 4000 REC	50	450	80,2 x 39,2 x 51,4 cm	77.3897.540
4 l	Recycled Polypropylene		Multi-Safe euroMatic® 4000 REC with biohazard labelling	50	450	80,2 x 39,2 x 51,4 cm	77.3897.640
3 l	Recycled Polypropylene		Multi-Safe euroMatic® 3000 REC	55	495	80,2 x 39,2 x 51,4 cm	77.3897.530
3 l	Recycled Polypropylene		Multi-Safe euroMatic® 3000 REC with biohazard labelling	55	495	80,2 x 39,2 x 51,4 cm	77.3897.630

Multi-Safe medi plus REC

Thinking big. Disposing of waste safely.

- Round container shape
- Thanks to the large, round base, no additional mounting brackets are required
- Optimised assembly of the lid with snap hook
- The disposal opening can be gradually enlarged by breaking out the sections. Please break them out before use!
- Side grooves at the top edge visually confirm the closure of the container
- Various removal and twist-off aids
- Innovative lid: the day and final closure mechanism allows for easy one-handed operation
- The QR code on the box provides quick and direct access to the user guide
- IML label (In-Mould Labelling) directly integrated during production, featuring product information in 9 languages.
- In particular, the integrated stamp for insulin pens introduces significant benefits as, by pressing down the lid, the stamp pushes the insulin pens completely into the box.
- Certified to DIN ISO 23907, UN 3291 and TRBA 250

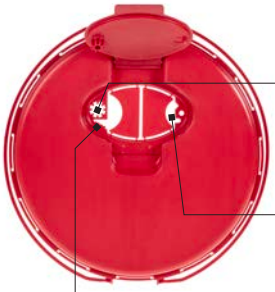
Multi-Safe **medi plus 6 REC**



Up to **64%** recycled content!
Up to **51%** CO_2e reduction!

You can find the certifications of the boxes in the overview on page 26.

Multi-Safe **medi plus 11 REC**



Insulin pens

Luer systems

Scalpels, needles, Luer systems



Featuring an innovative day and final closure system with one-handed operation and the inscription ‘Press for final closure’



330 mm

Ø 192 mm

Integrated QR code for direct online access to the user guide

Directly integrated label in 9 languages – labels also available as customised solutions

ISO 23907 · TRBA 250 certified · UN CERTIFIED

Multi-Safe medi plus REC

Volume	Material	Container / Lid Colour	Design	Piece(s)/ carton	Piece(s)/ pallet	Case dimensions	Order no.
11 l	Recycled Polypropylene	■ ■	Multi-Safe medi plus 11 REC	-	360	-	77.3887.011
11 l	Recycled Polypropylene	■ ■	Multi-Safe medi plus 11 REC	11	264	30,0 x 30,0 x 80,0 cm	77.3887.111
6 l	Recycled Polypropylene	■ ■	Multi-Safe medi plus 6 REC	-	552	-	77.3887.006
6 l	Recycled Polypropylene	■ ■	Multi-Safe medi plus 6 REC	19	456	30,0 x 30,0 x 80,0 cm	77.3887.106

Multi-Safe eco

A safe and sturdy container for the disposal of clinical waste

In the future, it will also be available as a sustainable version mad fromrecycled plastic !

- Rectangular container shape
- Thanks to its large footprint, no additional mounting bracket is required
- Various designs
- Multi-Safe 25 & 50 - lid-in-lid system provides variable disposal opening
- Liquid-tight final closure thanks to the adhesive strip fastened on the side of the lid
- Side grooves at the edge visually confirm the closure of the container
- Can be stacked empty and full
- Suitable for oncological waste, cytostatic drugs
- Collection and transport container for small disposal boxes

Multi-Safe **25**

Multi-Safe **eco 25**



You can find the certifications of the boxes in the overview on page 26.

Multi-Safe **50**

Multi-Safe **eco 50**



UN CERTIFIED

Multi-Safe eco

Volume	Material	Container / Lid Colour	Design	Piece(s)/pallet	Order no.
50 l	Polypropylene		Multi-Safe eco 50	125	77.3899.050
25 l	Polypropylene		Multi-Safe eco 25	160	77.3899.025
50 l	Polypropylene		Multi-Safe 50	125	77.3899.150
25 l	Polypropylene		Multi-Safe 25	160	77.3899.125

Multi-Safe steri

Huge, practical, (autoclave)safe

- Rectangular container
- Thanks to its large footprint, no additional mounting bracket is required
- Safe and stable for the disposal of infectious waste
- Autoclavable at 121 °C to 134 °C
- The small lid melts at approximately 90 °C and releases the contents through a grid, enabling the autoclaving process.
- The small lids can be purchased to label boxes that have already been autoclaved (77.3888.800 - yellow; other colours are available)
- Easy transport thanks to handles on the top and bottom.
- Side grooves on the lid visually confirm the closure
- Can be stacked empty and full
- Collection and transport container for small-volume disposal boxes

In the future, it will also be available as a sustainable version mad fromrecycled plastic !

Multi-Safe **steri 35**



You can find the certifications of the boxes in the overview on page 26.

Multi-Safe **steri 60**



UN CERTIFIED

Multi-Safe steri

Volume	Material	Container / Lid Colour	Design	Piece(s)/pallet	Order no.
60 l	Polypropylene		Multi-Safe steri 60	120	77.3899.060
35 l	Polypropylene		Multi-Safe steri 35	150	77.3899.035

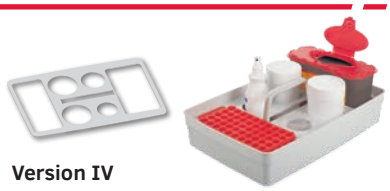
Custom-made products

Customised Multi-Safe disposal boxes

- For orders of a certain quantity or more, it is possible to order the Multi-Safe disposal boxes as bespoke items (e.g. different colours, personalised labels, etc.)
- Additional certification with your company address exclusively for your Multi-Safe disposal box can also be requested.
- Multi-Safe and Multi-Safe eco are not available in special colours.
- If you have any questions regarding your customised Multi-Safe disposal box, your personal SARSTEDT contact or our helpline will be happy to assist you.



Safety Tray



Version IV
1 x S-Monovette® Block Rack D17 with handle
2x dispenser box with lid
1x Multi-Safe vario 2000
1x multi-purpose cup
1x disinfection spray



Version V
1x S-Monovette® Rack D17 with handle
1x dispenser box with lid
1x Multi-Safe Box twin plus 2000
3x multi-purpose cup
1x disinfection spray

Safety Tray

Design	Dimensions	Piece(s)/carton	Order no.
Safety tray without insertion plate	429 x 283 x 80 mm	1 / box	93.1650
Version IV	-	1 / box	93.1650.040
Version V	-	1 / box	93.1650.050

Accessories

Material	Design	Piece(s)/ carton	Order no.	Order no. (recycled)
Multi-Safe vario 2000 REC	2.0 l suitable for Version IV	50	-	77.3893.220
Multi-Safe twin plus 2000 REC	2.0 l suitable for version V	80	- -	77.3884.220 77.3884.320
Dispenser box	With lid for Safety Tray	35	95.813.001	
Multi-purpose cup	125 ml for Safety Tray	1.000	75.1355	
Block D17	With handle, grey	12	93.851	
Block D17	With handle, red	12	93.851.171	
Block D17	With handle, yellow	12	93.851.172	

Accessories

For easy and secure mounting on walls, tables or smooth surfaces

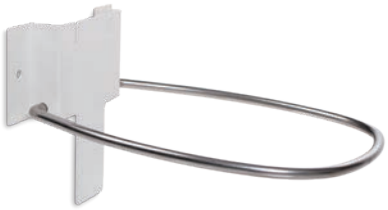
Wall holder



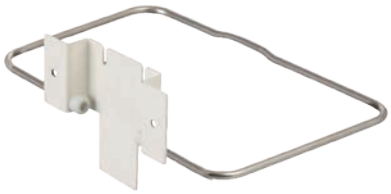
Adhesive adapter



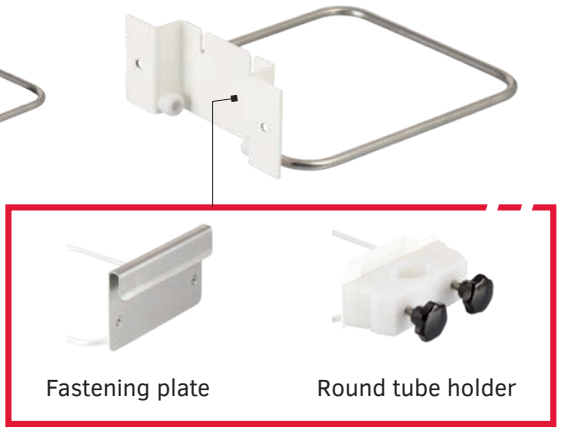
Wall bracket twin plus*



Wall mount vario 2000 *



Wall bracket EuroMatic®*



Wall holder

Order no.	Item description	Material	Piece(s)/carton	Suitable for series
95.965.001	Adhesive adapter	Polypropylene	150	twin plus, euroMatic®
95.963	Wall holder with adhesive adapter	Stainless steel	30	twin plus
95.963.001	wall bracket EuroMatic®	Stainless steel	20	euroMatic®
95.963.006	Round tube holder	POM	10	twin plus, euroMatic®, vario
95.963.005	Fastening plate	Stainless steel	20	twin plus, euroMatic®, vario
95.963.007	Wall holder twin plus	Stainless steel	20	twin plus
95.963.020	Wall holder vario 2000	Stainless steel	5	vario

*Round tube holder and mounting plate also suitable for the twin plus, vario and euroMatic® wall holders

Multi-Safe label



This label can be ordered in addition to the disposal boxes.

Absorbent materials



In accordance with ISO 23907, it is necessary to place the following absorbent materials in the relevant disposal box to prevent liquid residues from leaking (does not apply to the twin plus series). It is important to ensure that sufficient absorbent material is placed inside to cover the entire capacity of the box.

Label

Item description	Piece(s)/inner box	Units/box	Order no.
Label 70 x 80 mm	2.000	8.000	84.1390.022

Absorbent materials (ISO 23907)

Absorption	Minimum order quantity (units)	for Multi-Safe	Order no.
12 ml per unit	4.000	sani, mini, euroMatic®	78.670

Accessories information www.sarstedt.com/produkte/ diagnostics/multi-safe/accessories/

OVERVIEW

Volume	Box type	Tests			Height	Ø of lids	Ø of base
		TRBA 250	UN 3291	ISO 23907			
0,2 l	Multi-Safe sani 200 REC	✓	✓	✓	131 mm	75 x 47 mm	57 x 32 mm
0,3 l	Multi-Safe mini 300 REC	✓	✓	✓	160 mm	98 mm	41 x 77 mm
2,0 l	Multi-Safe vario 2000 REC	✓	✓	✓	140 mm	243 x 102 mm	95 x 240 mm
0,5 l	Multi-Safe twin plus 500 REC	✓	✓	✓	162 mm	89 mm	57 mm
1,5 l	Multi-Safe twin plus 1500 REC	✓	✓	✓	125 mm	179 x 176 mm	112 mm
2,0 l	Multi-Safe twin plus 2000 REC	✓	✓	✓	162 mm	179 x 176 mm	112 mm
2,5 l	Multi-Safe twin plus 2500 REC	✓	✓	✓	197 mm	179 x 176 mm	112 mm
3,0 l	Multi-Safe twin plus 3000 REC	✓	✓	✓	233 mm	179 x 176 mm	112 mm
5,0 l	Multi-Safe twin plus 5000 REC	✓	✓	✓	379 mm	179 x 176 mm	112 mm
3,0 l	Multi-Safe euroMatic® 3000 REC	✓	✓	✓	185 mm	166 x 43 mm	132 x 132 mm
4,0 l	Multi-Safe euroMatic® 4000 REC	✓	✓	✓	245 mm	166 x 43 mm	132 x 132 mm
6,0 l	Multi-Safe euroMatic® 6000 REC	✓	✓	✓	330 mm	166 x 43 mm	132 x 132 mm
7,0 l	Multi-Safe euroMatic® 7000 REC	✓	✓	✓	390 mm	166 x 43 mm	132 x 132 mm
6,0 l	Multi-Safe medi plus 6 REC	✓	✓	✓	179 mm	283 mm	208 mm
11,0 l	Multi-Safe medi plus 11 REC	✓	✓	✓	330 mm	283 mm	192 mm
6,0 l	Multi-Safe medi plus 6 REC	✓	✓	✓	179 mm	283 mm	208 mm
11,0 l	Multi-Safe medi plus 11 REC	✓	✓	✓	330 mm	283 mm	192 mm
25,0 l	Multi-Safe eco 25	-	✓	-	260 mm	295 x 395 mm	230 x 330 mm
50,0 l	Multi-Safe eco 50	-	✓	-	500 mm	295 x 395 mm	230 x 330 mm
35,0 l	Multi-Safe steri 35	-	✓	-	330 mm	393 x 393 mm	340 x 340 mm
60,0 l	Multi-Safe steri 60	-	✓	-	520 mm	393 x 393 mm	340 x 340 mm
25,0 l	Multi-Safe 25	-	✓	-	260 mm	295 x 395 mm	230 x 330 mm
50,0 l	Multi-Safe 50	-	✓	-	500 mm	295 x 395 mm	230 x 330 mm

	Piece(s)/carton	Piece(s)/pallet	Order no.	Order no. with Biohazard	Order no. (recycled)	Order no. recycled with biohazard
	110	3.300	77.3890.002	Not available, as there is no label	77.3890.202	Not available, as there is no label
	135	2.700	77.3890.003	Not available, as there is no label	77.3890.203	Not available, as there is no label
	50	1.000	77.3893.020		77.3893.220	
	126	3.024	77.3884.005	77.3884.105	77.3884.205	77.3884.305
	94	1.128	77.3884.015	77.3884.115	77.3884.215	77.3884.315
	80	960	77.3884.020	77.3884.120	77.3884.220	77.3884.320
	70	840	77.3884.025	77.3884.125	77.3884.225	77.3884.325
	62	744	77.3884.030	77.3884.130	77.3884.230	77.3884.330
	34	408	77.3884.050	77.3884.150	77.3884.250	77.3884.350
	55	495	77.3897.030	77.3897.230	77.3897.530	77.3897.630
	50	450	77.3897.040	77.3897.240	77.3897.540	77.3897.640
	40	360	77.3897.060	77.3897.260	77.3897.560	77.3897.660
	34	306	77.3897.070	77.3897.270	77.3897.570	77.3897.670
	-	552			77.3887.006	
	-	360			77.3887.011	
	19	456			77.3887.106	
	11	264			77.3887.111	
	-	160	77.3899.025			
	-	125	77.3899.050			
	-	150	77.3899.035			
	-	120	77.3899.060			
	-	160	77.3899.125			
	-	125	77.3899.150			

Handling

Safe handling of the euroMatic® , vario, medi plus and twin plus disposal boxes

1



Place the lid on the base of the box, ensuring it is centred. The red daily lid and carrying handle should face forwards.

2



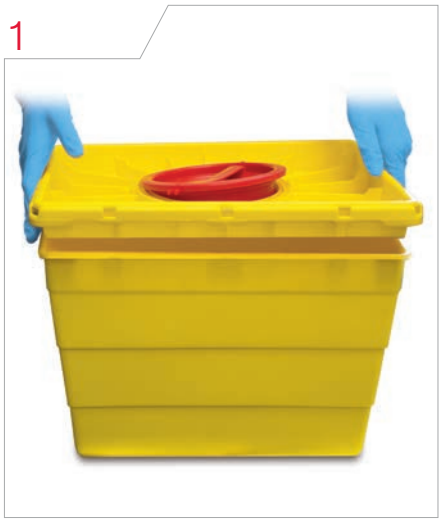
Simultaneously press the opposite corners of the lid to secure it to the base.

3



The lid must be pressed firmly into place all the way round along the edge of the lid, until it clicks audibly and visibly into place.

Safe handling of the eco / Multi-Safe waste bins (lid-in-lid)



Place the lid on the base of the box, ensuring it is centred.



Press down simultaneously on the opposite sides to connect the lid to the base.



The lid must be pressed firmly all the way round along the edge of the lid, until it clicks into place audibly and visibly.

Day closure

1 x lock in place
(for reuse)





Final closure

2 x lock in place
(completely sealed)





Instructions for use: Multi-Safe

Intended use: The waste container is intended exclusively for the disposal of sharp and pointed objects, such as needles and scalpel blades from the medical sector.

Safety Instructions

- Only use disposal boxes of a size suitable for holding the items to be disposed of.
- Store the box out of the reach of children.
- The lid must be in place and locked before filling begins.
- Attach the box to the recommended adhesive adapter by screwing it on or secure it by hooking it into the wall bracket to prevent it from tipping over.
- Do not use the day lid to press in items to be disposed of.
- Scalpels must be disposed of in the bin with particular care. Excessive force applied when throwing them in or adding other items could cause them to become jammed and damage the bin walls or base.
- Only place items to be disposed of vertically into the box.
- Do not force any items into the box.
- Do not place any liquids in the box.
- Do not fill the box beyond the fill line (risk of injury!).
- Do not reach into the box with your hand or in any other way (risk of injury!).
- Do not throw the box. Do not shake the box. Do not drop the box.
- Before closing the box, ensure that no items are protruding from the opening.
- Close the box by hand, without applying too much force.
- Do not push the box against your body (e.g. chest) for the final closure.
- Do not squeeze the filled box from the outside.
- Use the carrying handle.
- Before disposing of the box, check carefully that the lid is securely closed.

ISO 23907

- If the box is to be used in accordance with this guideline, one of the absorbent pads shown on page 25 must be inserted.

Disposal and the environment

- Plastics used in our products are environmentally neutral in terms of disposal.
- The plastic can be sent to landfill, as they do not release any harmful substances into the air, earth or water.
- When disposed of in waste-to-energy plants, the plastics PS, PP, PC and PE are valuable energy sources for maintaining the combustion chamber temperature; the more plastics in the waste, the less heating oil is required. The incineration of these plastics does not produce any harmful emissions.

Recommendation:

Fill the Multi-Safe to only approx. 2/3 of its capacity.
Do not overfill the Multi-Safe: risk of injury!

Fill line observed



Overfilled



Material information

	Polystyrene	Polypropylene	Polycarbonate	Polyethylene
Abbreviation	PS	PP	PC	HD-PE High Density LD-PE (low-density)
Optical properties	transparent, glossy surface; 90% light transmission (at 400-800 nm)	translucent, glossy surface	transparent, 88% light transmission (at 400–800 nm)	translucent to opaque, waxy surface
General mechanical properties	low elongation at break and heat resistance, very good electrical insulation properties, not suitable for high centrifugal accelerations	high breaking strength, resistant to stress cracking, stable form and high rigidity	very good mechanical, optical, electrical and thermal properties; autoclavable; sterilisable	tensile strength and surface hardness are relatively low; high toughness; ranging from soft to stiff; susceptible to stress cracking; water-repellent
Autoclavability	Not suitable	Products made of PP can be autoclaved up to 121 °C without any significant loss of mechanical properties. It is the responsibility of the user to verify whether other product properties are affected with regard to the intended application.	Products made of PC can be autoclaved up to 121 °C without any significant loss of mechanical properties. It is the responsibility of the user to check whether other product properties are affected with regard to the intended application.	Not suitable
Max. continuous operating temperature*[1]	60 - 70 °C	100 - 110 °C	115 - 125 °C	HD-PE 70 - 80 °C LD-PE 60 - 75 °C
Maximum short-term operating temperature*[1]	75 - 80 °C	120 - 140 °C	125 - 140 °C	HD-PE 90 - 120 °C LD-PE 80 - 90 °C
Use at sub-zero temperatures*[2]	Not well-suited	Limited suitability*[1]	down to –80 °C	Limited suitability*[1]
Density g/cm^3	1,05	0,90	1,19	HD-PE 0,95 LD-PE 0,92
Flammability	Flammable	Flammable	Flammable	Flammable
	300 - 400 °C	300 - 360 °C	380 - 450 °C	350 - 360 °C
Moisture absorption	< 0.1 %	< 0.1 %	0,1 - 0,3 %	< 0.1 %
General resistance to chemicals	PS is resistant to salt solutions, alkalis, non-oxidising acids, as well as alkalis and alcohols. Petrol, essential oils, strongly oxidising agents and flavourings attack PS, causing stress cracks to form.	PP is resistant to aqueous solutions of inorganic salts, acids and alkalis, and to organic solvents up to 60 °C. Alcohols, esters and ketones do not attack PP either. Aromatic and halogenated hydrocarbons, oxidising substances such as concentrated nitric acid, and – at higher temperatures – fats, oils and waxes cause PP to swell.	PC is resistant to higher concentrations of mineral acids, many organic acids (e.g. carbonic acid, oleic acid and citric acid), oxidising agents, reducing agents, neutral and acidic salt solutions, a range of fats and oils, saturated, aliphatic and cycloaliphatic hydrocarbons, and alcohols with the exception of methanol. Alkalis, ammonia gas and its soluble form, as well as amines, attack PC. PC is soluble in a range of industrial solvents. Other organic compounds such as benzene, acetone and carbon tetrachloride may cause swelling or expansion.	PE exhibits high resistance to chemicals. The chemical resistance of HD-PE is generally higher than that of LD-PE. Aqueous acids, alkalis, alcohol, oil, as well as water and salt solutions do not attack PE. Concentrated, oxidising acids such as nitric acid and halogens have a corrosive effect.
Disposal	PS is a pure hydrocarbon compound and is therefore environmentally neutral when disposed of. No harmful substances are produced during controlled incineration.	PP is a pure hydrocarbon compound and is therefore environmentally neutral when disposed of. No harmful substances are produced during controlled incineration.	PC is a pure hydrocarbon compound and is therefore environmentally neutral when disposed of. No harmful substances are produced during controlled incineration.	PE is a pure hydrocarbon compound and is therefore environmentally neutral when disposed of. No harmful substances are produced during controlled incineration.

*[1] Suitability depends on the specific type of plastic used and the nature of the load.

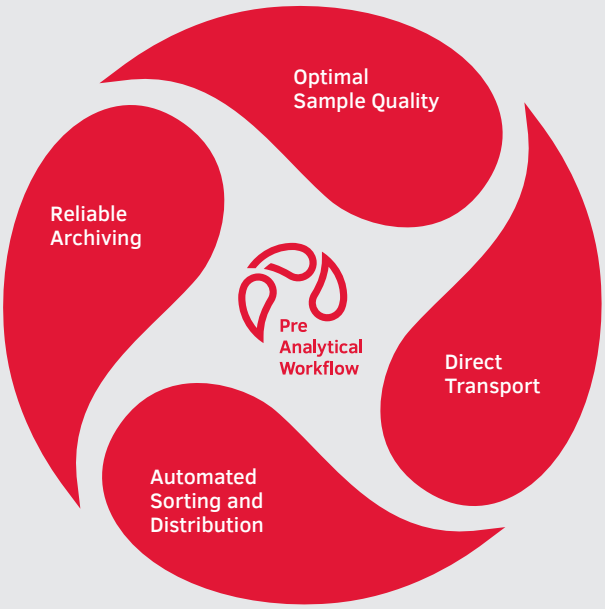
*[2] Please note: Plastics become more brittle at sub-zero temperatures. The use of products in sub-zero temperature ranges should be tested in advance for the relevant application. This information is intended as a guide and does not constitute a guarantee of product properties.

If you have any questions:
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