

# *Multi-Safe Disposal Boxes*

For safe disposal



*Multi-Safe*



**SARSTEDT**



### From blood sampling to “Multi-Safe” disposal – simple and safe!

As a well-known manufacturer of laboratory product and medical devices, we consider it our obligation to provide for safe disposal of our single-use products.

In view of the varying volumes and sizes of waste items requiring disposal in practices, clinics and universities, we offer a wide range of disposal products to cover all of these user needs. This product variety is reflected in the many different volumes, openings, forms and final closures offered.



We make sure all boxes satisfy at least the minimum TRBA 250 (german regulation) requirements so we can guarantee safe disposal box handling to you, the users. Of course our Multi-Safe Disposal Boxes also comply with the international regulations like UN and ISO 23907. These latter regulations differ from the TRBA 250 in that they are generally not concerned with form or appearance, but rather with robustness (wall thickness, 1.20 m drop tests, etc.). The UN certification also regulates whether or not a disposal box may be filled with hazardous materials. UN-certified boxes are recognized by the multi-digit UN Code, usually imprinted on the top of the lid.

All of our Multi-Safe Disposal Boxes are made of polypropylene and can therefore be subjected to environmentally friendly incineration, whereby no harmful substances are released.

Needlestick injury (NSI) among healthcare personnel is a frequent occurrence worldwide. This occurs in particular when sharp or pointed objects are discarded. Hepatitis B (HBV), Hepatitis C (HCV) and HIV are the viruses that occur most frequently. In Germany alone, an estimated 500,000 needlestick injuries occur with follow-up costs amounting to approx. 50 million euros. NSI occur most frequently among medical personnel (approx. 39%) and nursing personnel (approx. 34%).<sup>1)</sup>

These numbers alone underline the importance of using high-quality disposal boxes! To prevent potentially harmful mistakes in this area we consider it important to provide proper instructions for use and internal training programmes to ensure safe handling of Multi-Safe Disposal Boxes.

<sup>1)</sup> Deutsches Ärzteblatt (German Medical Gazette) 2007, Vol. 104, pp. A3102-3107

## Your partner in medicine and science worldwide



Sarstedt, one of the world’s leading providers of laboratory and medical equipment, develops, manufactures and sells equipment and consumables in the field of medicine and science.

Founded in 1961, the company has continued to grow to the point where it now employs a workforce of 2,500. The Sarstedt Group comprises 31 sales organisations and 13 production sites in Europe, North America and Australia. The company’s headquarters are in North Rhine-Westphalia, Nümbrecht, Germany.

Products

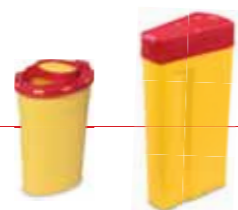
Brochures

Manuals

Search

If you need further information or wish to view several Multi-Safe Disposal Boxes at a glance (see pp. 34/35), just scan the QR Code and go to our website [www.sarstedt.com](http://www.sarstedt.com)

Multi-Safe *sani & mini*



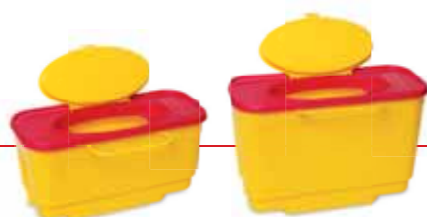
pages 6 - 7

Multi-Safe *quick & quick S*



pages 8 - 11

Multi-Safe *vario*



pages 12 - 13

Multi-Safe *twin*



pages 14 - 17

Multi-Safe *opti*



pages 18 - 21

Multi-Safe *euromATIC®*



pages 22 - 23

Multi-Safe *medi*



pages 24 - 25

Multi-Safe *eco*



pages 26 - 27

Multi-Safe *steri*



pages 28 - 29

Multi-Safe "Custom-Made Products"



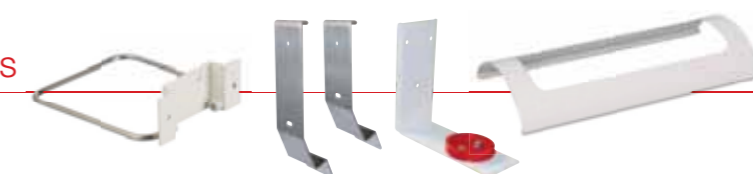
page 30

Safety-Tray



page 31

Multi-Safe Accessories



pages 32 - 33



Multi-Safe *sani & mini*

Multi-Safe for Transport - small containers with big benefits

- Safe sharp container for transport purposes
- Suitable for outpatient use by physicians, nurses and ambulance services, for doctor's bags and emergency medical cases
- Open and close day lid and final closure with one hand
- Premounted lid
- Space-saving

See product overview on page 34 for the specific box certifications.



Ordering information

REF	Article designation	Volume in l	Material	Pcs. per box	Pcs. per pallet	Box dimensions [cm]	Pallet dimensions [cm]
77.3890.002	Multi-Safe sani 200	0.2	Polypropylene	110	3,300	40 x 40 x 60	120 x 80 x 195



Ordering information

REF	Article designation	Volume in l	Material	Pcs. per box	Pcs. per pallet	Box dimensions [cm]	Pallet dimensions [cm]
77.3890.003	Multi-Safe mini 300	0.3	Polypropylene	135	2,700	31.7 x 40 x 60	120 x 80 x 195



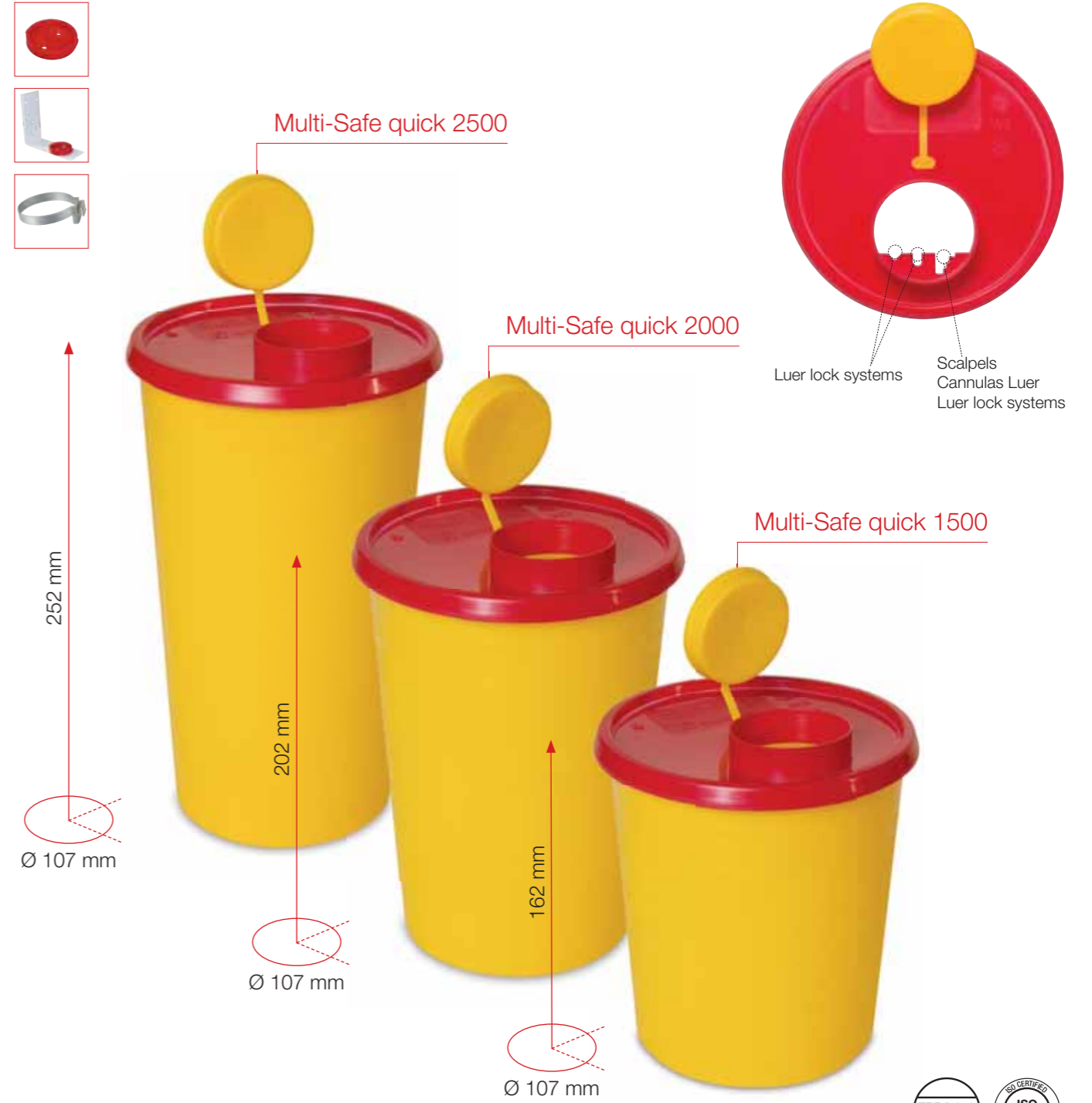
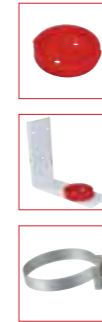
Multi-Safe *quick & quick S*

The practical safety box for user-friendly disposal of sharp, pointed and dangerous objects for both stationary and ambulatory use

- Round container form
- Openings of different sizes
- The size of the disposal opening can be further enlarged by breaking out sections as required (quick S only)  
Break out sections before use!
- Containers can be fastened to a number of different holders to prevent them from overturning (see accessories on page 32)
- Closure cap does not spring back. This means nothing gets in the way during removal and stripping
- Various detaching devices

See product overview on page 34 for the specific box certifications.

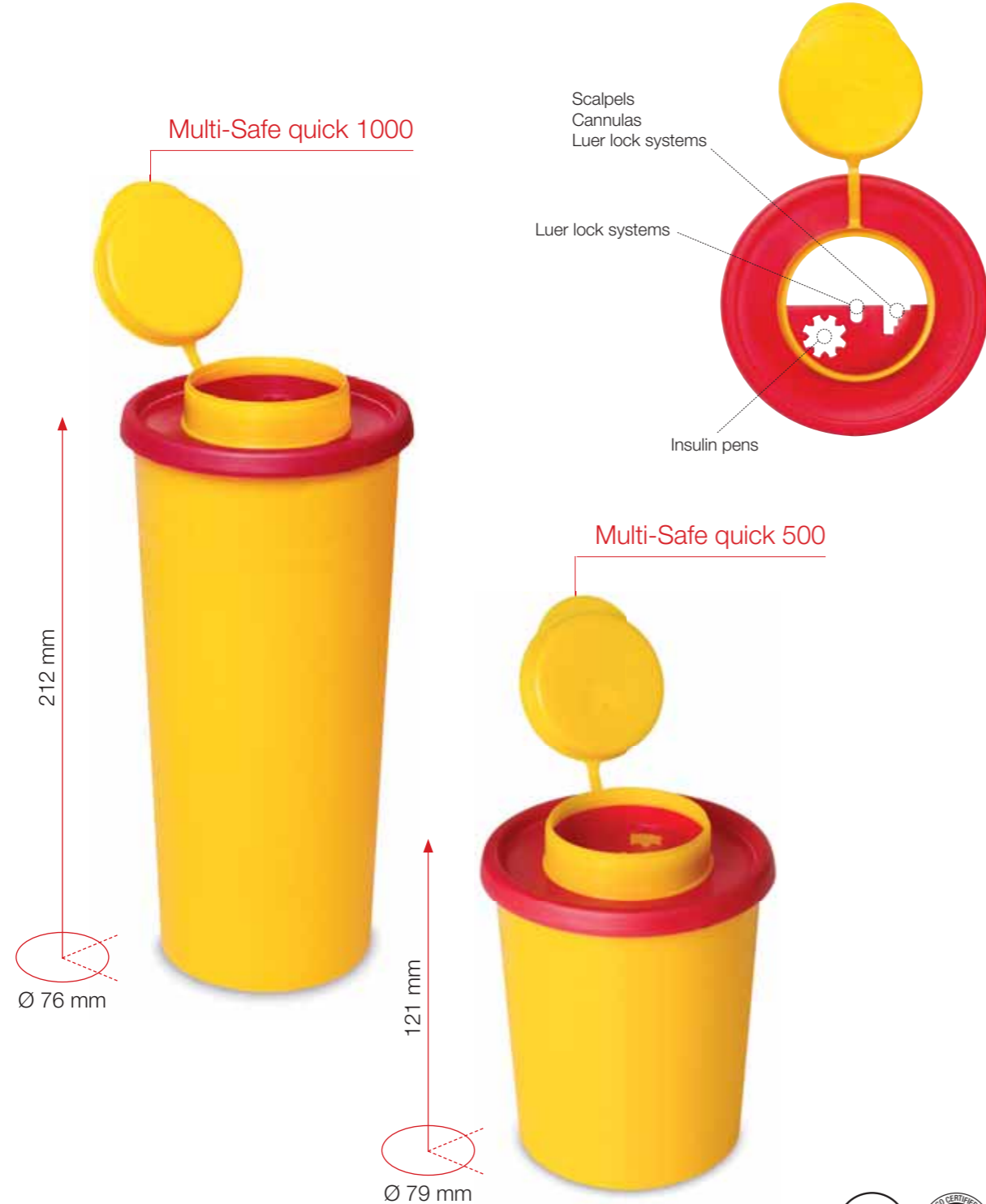
Accessories for quick (see p. 32)



Ordering information

REF	Article designation	Volume in l	Material	Pcs. per box	Pcs. per pallet	Box dimensions [cm]	Pallet dimensions [cm]
77.3891.025	Multi-Safe quick 2500	2.5	Polypropylene	50	800	40 x 40 x 60	120 x 80 x 195
77.3891.020	Multi-Safe quick 2000	2.0	Polypropylene	80	1,280	40 x 40 x 60	120 x 80 x 195
77.3891.015	Multi-Safe quick 1500	1.5	Polypropylene	120	1,920	40 x 40 x 60	120 x 80 x 195

Accessories for quick (see p. 32)



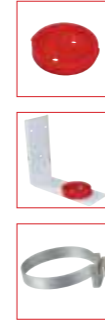
Ordering information

REF	Article designation	Volume in l	Material	Pcs. per box	Pcs. per pallet	Box dimensions [cm]	Pallet dimensions [cm]
77.3891.010	Multi-Safe quick 1000	1.0	Polypropylene	100	1,600	40 x 40 x 60	120 x 80 x 195
77.3891.005	Multi-Safe quick 500	0.5	Polypropylene	170	2,720	40 x 40 x 60	120 x 80 x 195

\*UN test quick 500 only



Accessories for quick (see p. 32)



Ordering information

REF	Article designation	Volume in l	Material	Pcs. per box	Pcs. per pallet	Box dimensions [cm]	Pallet dimensions [cm]
77.3892.025	Multi-Safe quick S 2500	2.5	Polypropylene	45	720	40 x 40 x 60	120 x 80 x 195
77.3892.020	Multi-Safe quick S 2000	2.0	Polypropylene	65	1,040	40 x 40 x 60	120 x 80 x 195
77.3892.015	Multi-Safe quick S 1500	1.5	Polypropylene	80	1,280	40 x 40 x 60	120 x 80 x 195

\*UN test quick S 1500 only





# Multi-Safe *vario*

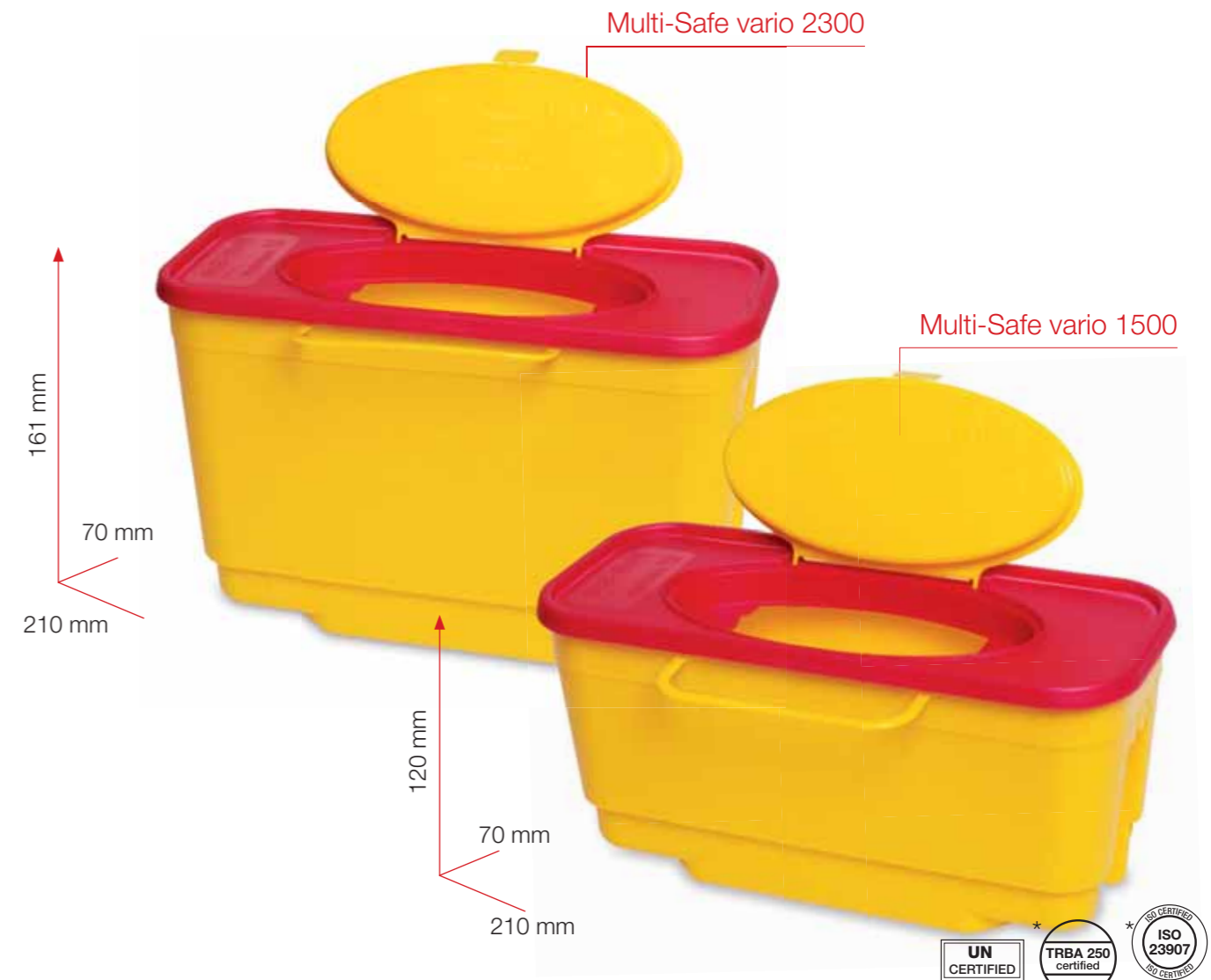
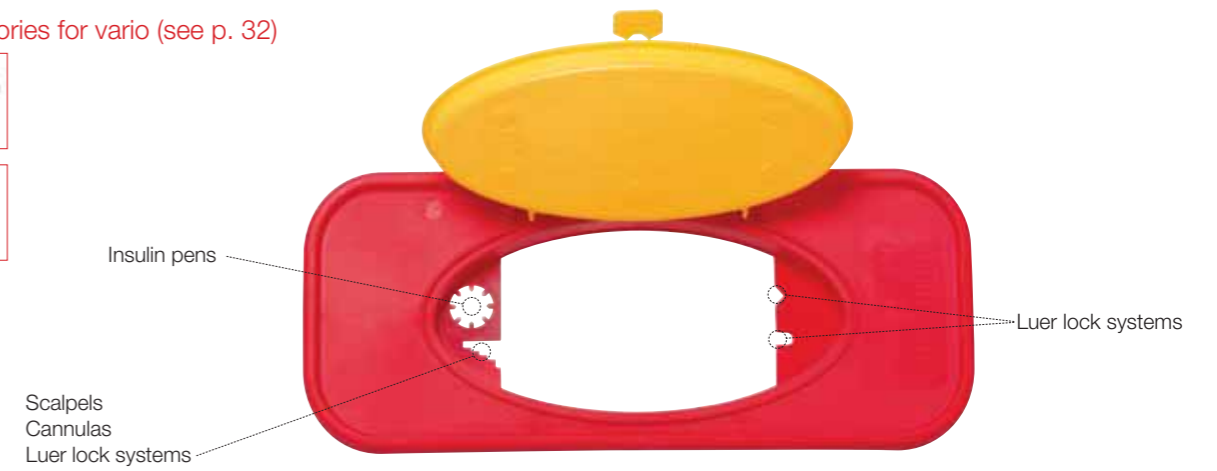
## For small bulky waste items

- Rectangular container form
- Generous disposal opening for small bulky waste items
- Suitable holders are available for wall or table fixation of the boxes (see accessories on page 32)
- Day lid is designed to remain in position when opened
- Can be used as accessory for Safety-Trays (see page 31)
- Lateral carrying handle
- Stackable to save space
- Various detaching devices

See product overview on page 34 for the specific box certifications.



Accessories for vario (see p. 32)



## Ordering information

REF	Article designation	Volume in l	Material	Pcs. per box	Pcs. per pallet	Box dimensions [cm]	Pallet dimensions [cm]
77.3893.023	Multi-Safe vario 2300	2.3	Polypropylene	45	720	40 x 40 x 60	120 x 80 x 195
77.3893.015	Multi-Safe vario 1500	1.5	Polypropylene	60	960	40 x 40 x 60	120 x 80 x 195

\* for vario 1500 only: ISO 23907 and TRBA 250





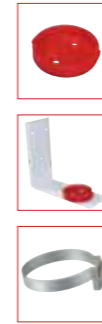
## Multi-Safe *twin*

### Multi-Safe twin - from small to large

- Container with conical taper
- The size of the disposal opening can be further enlarged by breaking out sections as required (exception: twin 700)  
Break out sections before use!
- A variety of holders are available to fasten the boxes securely to walls or surfaces so they won't overturn (see accessories on page 32)
- Lateral carrying handles
- Hinged day lid
- twin boxes are available in many different volumes to cover a large number of different disposal needs
- The tall twin 5000 is particularly suitable for long-stemmed objects (e.g. pipettes, trocars)
- Lateral grooves on the lid confirm closure visually
- Can be used as accessory for Safety-Trays (see page 31)
- Various detaching devices

See product overview on page 34 for the specific box certifications.

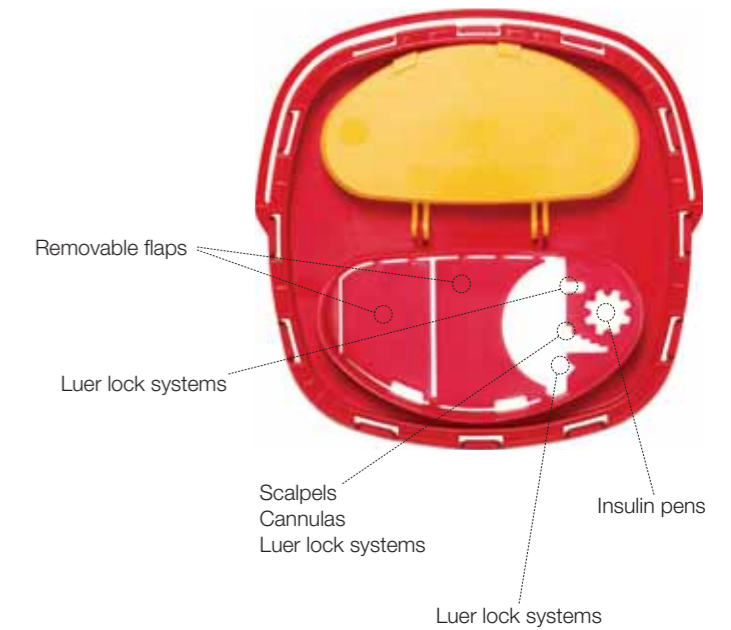
Accessories for twin (see p. 32)



Multi-Safe twin 5000

425 mm

Ø 112 mm

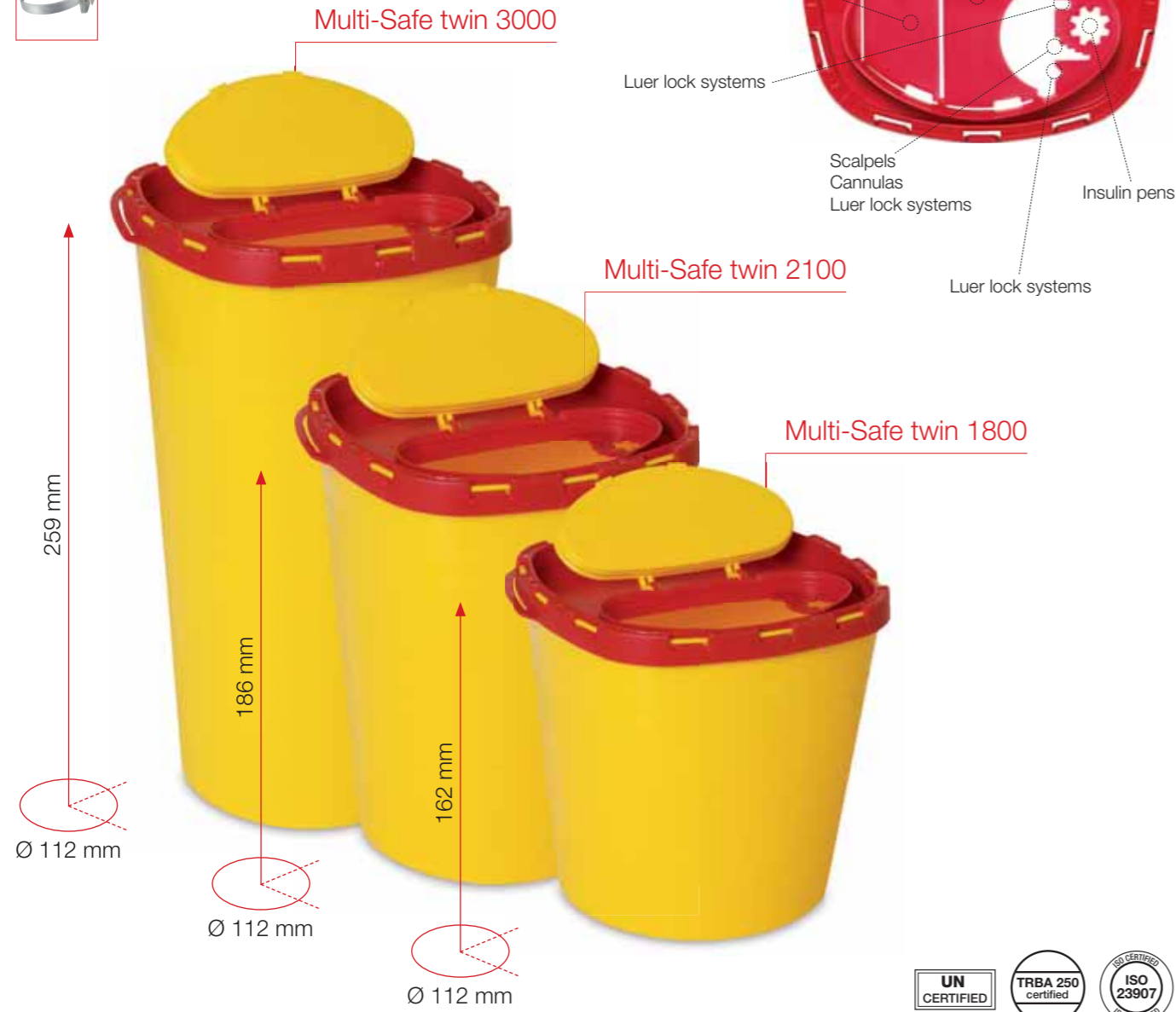


### Ordering information

REF	Article designation	Volume in l	Material	Pcs. per box	Pcs. per pallet	Box dimensions [cm]	Pallet dimensions [cm]
77.3894.050	Multi-Safe twin 5000	5.0	Polypropylene	45	540	43.5 x 65 x 40	120 x 80 x 195



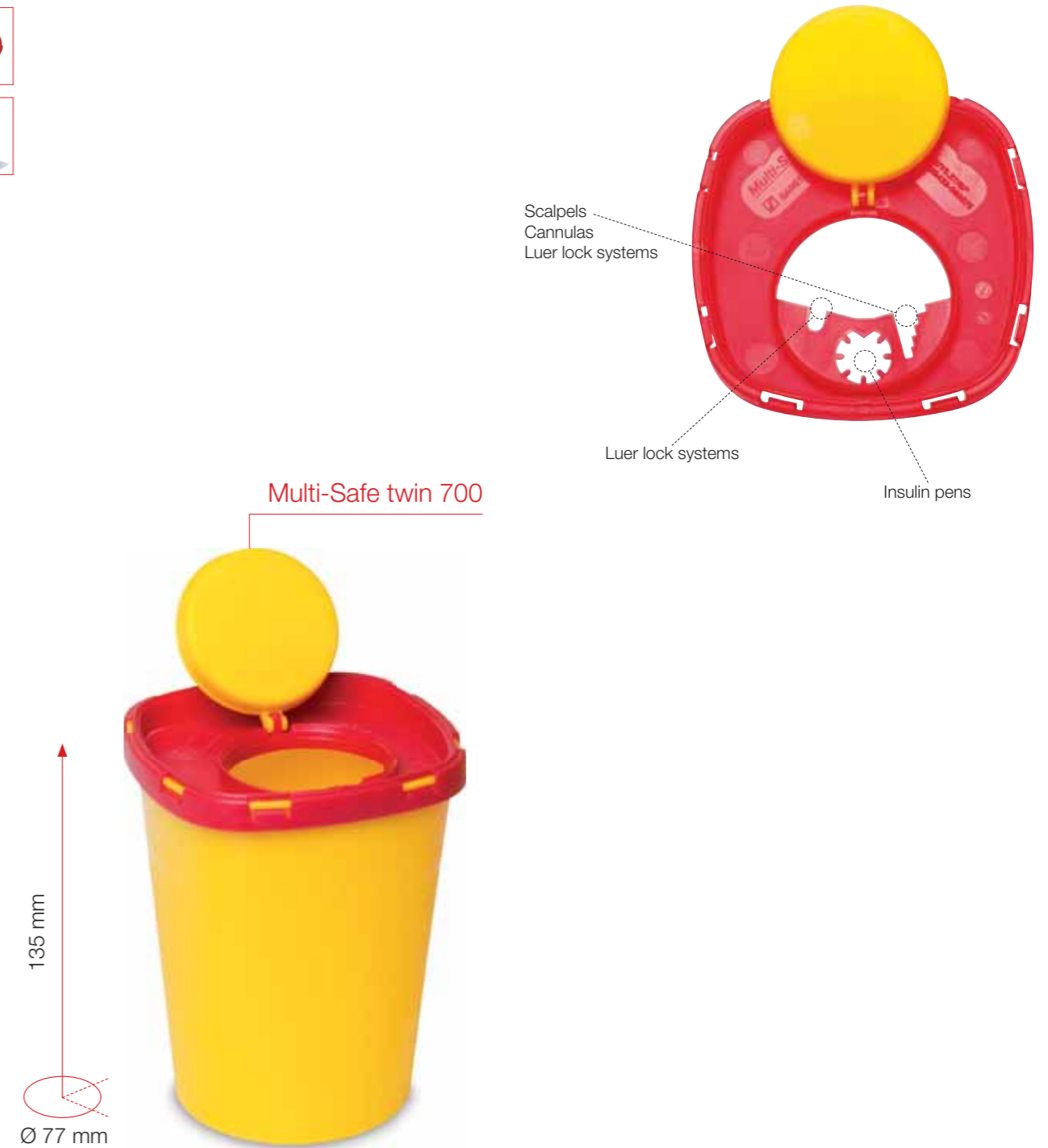
Accessories for twin (see p. 32)



Ordering information

REF	Article designation	Volume in l	Material	Pcs. per box	Pcs. per pallet	Box dimensions [cm]	Pallet dimensions [cm]
77.3894.030	Multi-Safe twin 3000	3.0	Polypropylene	60	960	44.5 x 60 x 40	120 x 80 x 195
77.3894.021	Multi-Safe twin 2100	2.1	Polypropylene	100	1,600	44.5 x 60 x 40	120 x 80 x 195
77.3894.018	Multi-Safe twin 1800	1.8	Polypropylene	100	1,600	44.5 x 60 x 40	120 x 80 x 195

Accessories for twin (see p. 32)



Ordering information

REF	Article designation	Volume in l	Material	Pcs. per box	Pcs. per pallet	Box dimensions [cm]	Pallet dimensions [cm]
77.3894.007	Multi-Safe twin 700	0.7	Polypropylene	200	3,200	40 x 40 x 60	120 x 80 x 195



# Multi-Safe *opti*

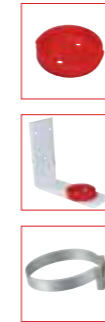
For the disposal of scalpels, cannulas, disposable syringes, tubing, broken glass and long-stemmed objects (e.g. pipettes)

- Round container form
- The size of the disposal opening can be further enlarged by breaking out sections as required (exception: opti 500 T and 700) Break out sections before use!
- Hinged day lid (exception: opti 500 T)
- A variety of holders are available to fasten the boxes securely to walls or surfaces so they won't overturn (see accessories on page 30)
- Carrying handles (exception: opti 500 T)
- Opti 500 T is used specifically on syringe trays (see page 31)
- With the opti 500 T, detached insulin pens can be pushed completely through the aperture using a nib on the inside of the lid
- The different versions have different deposit opening sizes
- Lateral grooves on the lid confirm closure visually (exception: opti 500 T)

See product overview on page 34 for the specific box certifications.



Accessories for opti (see p. 32)



Multi-Safe opti 3000

298 mm

Ø 112 mm

197 mm

Ø 112 mm

165 mm

Ø 112 mm

Perforated sections

Luer lock systems

Multi-Safe opti 2100

Scalpels  
Cannulas  
Luer lock systems

Insulin pens

Luer lock systems

Multi-Safe opti 1700

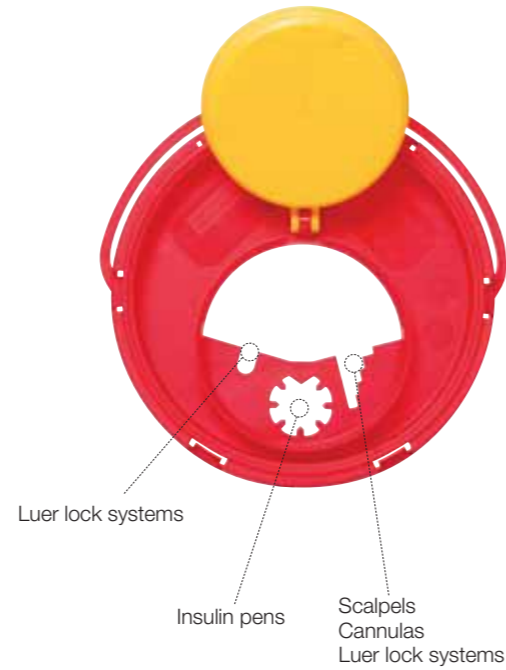


### Ordering information

REF	Article designation	Volume in l	Material	Pcs. per box	Pcs. per pallet	Box dimensions [cm]	Pallet dimensions [cm]
77.3895.030	Multi-Safe opti 3000	3.0	Polypropylene	50	800	43.5 x 29.5 x 40	120 x 80 x 195
77.3895.021	Multi-Safe opti 2100	2.1	Polypropylene	80	1,280	43.5 x 29.5 x 80	120 x 80 x 195
77.3895.017	Multi-Safe opti 1700	1.7	Polypropylene	110	1,760	43.5 x 29.5 x 80	120 x 80 x 195



Accessories for opti (see p. 32)



- Specifically designed for Safety-Trays

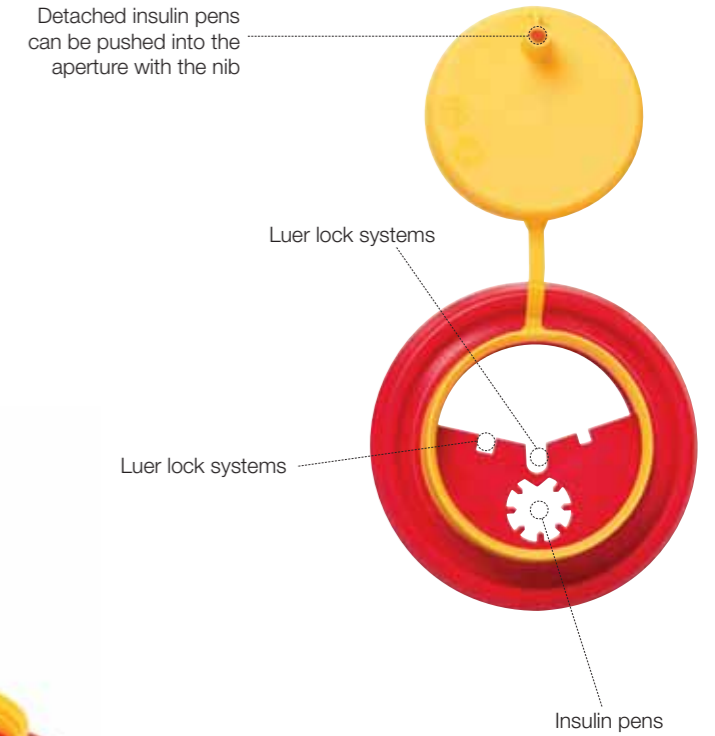


Safety-Trays see page 31



Ordering information

REF	Article designation	Volume in l	Material	Pcs. per box	Pcs. per pallet	Box dimensions [cm]	Pallet dimensions [cm]
77.3895.007	Multi-Safe opti 700	0.7	Polypropylene	170	2,720	43.5 x 29.5 x 80	120 x 80 x 195



- Optimally suited for syringe trays



Ordering information

REF	Article designation	Volume in l	Material	Pcs. per box	Pcs. per pallet	Box dimensions [cm]	Pallet dimensions [cm]
77.3895.005	Multi-Safe opti 500 T	0.5	Polypropylene	110	1,760	40 x 29.5 x 80	120 x 80 x 195

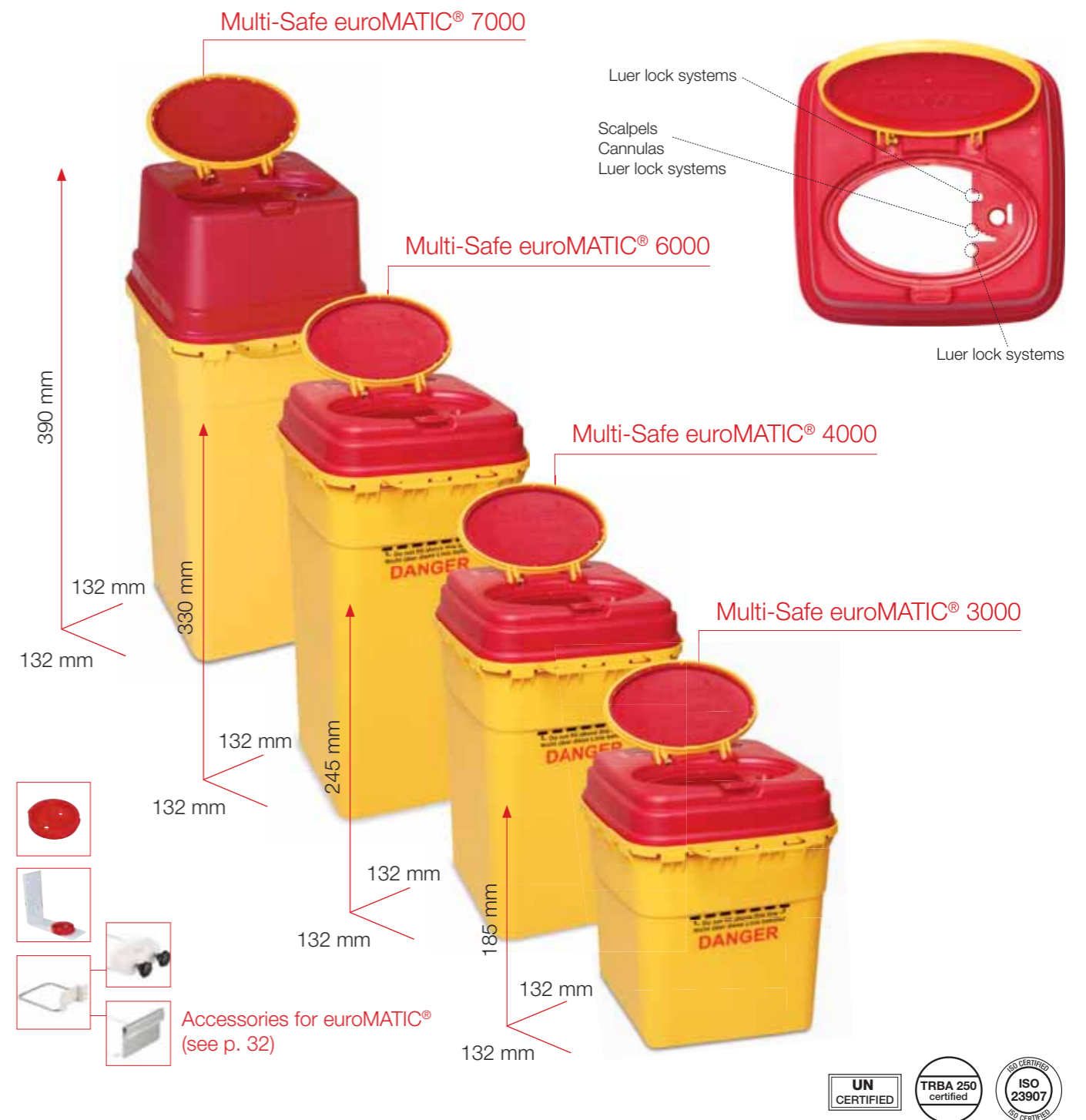


# Multi-Safe *euroMATIC*®

## Multi-Safe euroMatic® – innovative design and engineering – The Premium Model

- Square container form
- Robust container and lid
- All boxes can be fixed with an adhesive or a wall holder to prevent them from overturning (see accessories on page 32)
- Innovative day lid and final closure facilitates single-handed use of day lid in daily routine (day lid opens automatically at the push of a button)
- A hinge on the day lid makes repeated opening and closing possible, secure final closure is made visible by removing the yellow ring
- Single-handed operation and large deposit opening make for rapid and safe disposal of bulky objects
- Lateral grooves at the upper edge confirm closure visually
- Lateral carrying handle
- Various detaching devices

See product overview on page 34 for the specific box certifications.



### Ordering information

REF	Article designation	Volume in l	Material	Pcs. per box	Pcs. per pallet	Box dimensions [cm]	Pallet dimensions [cm]
77.3897.070	Multi-Safe euroMatic® 7000	7.0	Polypropylene	37	333	51 x 39 x 80	120 x 80 x 195
77.3897.060	Multi-Safe euroMatic® 6000	6.0	Polypropylene	40	360	51 x 39 x 80	120 x 80 x 195
77.3897.040	Multi-Safe euroMatic® 4000	4.0	Polypropylene	50	450	51 x 39 x 80	120 x 80 x 195
77.3897.030	Multi-Safe euroMatic® 3000	3.0	Polypropylene	55	495	51 x 39 x 80	120 x 80 x 195

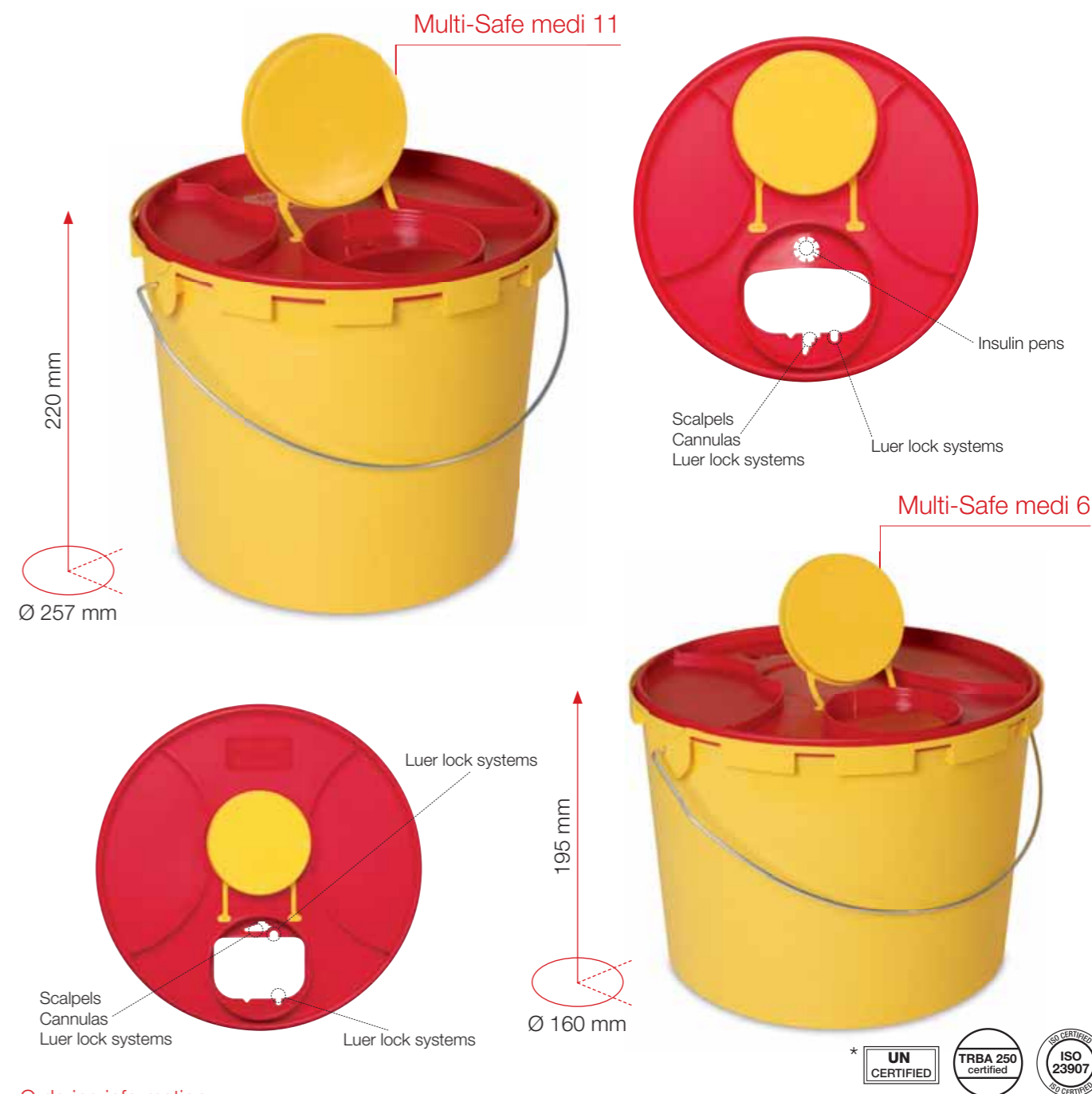


# Multi-Safe *medi*

## Large-volume box with handle and label

- Round container form
- The generous round contact surface renders additional securing measures unnecessary
- Various versions (with or without handle, additional label)
- The closures are designed to automatically stay back when opened, freeing the deposit opening
- Lateral grooves at the upper edge confirm closure visually
- Various stripping/detaching devices

See product overview on page 34 for the specific box certifications.



## Ordering information

REF	Article designation	Volume in l	Material	Pcs. per box	Pcs. per pallet	Box dimensions [cm]	Pallet dimensions [cm]
77.3898.011	Multi-Safe medi 11	11.0	Polypropylene	-	330	-	120 x 80 x 195
77.3898.511				14	224	40 x 40 x 60	120 x 80 x 195
77.3898.111	Multi-Safe medi 11 with handle	11.0	Polypropylene	-	330	-	120 x 80 x 195
77.3898.006	Multi-Safe medi 6	6.0	Polypropylene	-	576	-	120 x 80 x 195
77.3898.506				24	384	40 x 40 x 60	120 x 80 x 195
77.3898.106	Multi-Safe medi 6 with handle	6.0	Polypropylene	-	576	-	120 x 80 x 195
77.3898.206	Multi-Safe medi 6 with handle and label	6.0	Polypropylene	24	384	40 x 40 x 60	120 x 80 x 195

\*UN test - only medi 6, medi 6 with handle, medi 6 with handle and label





## Multi-Safe *eco*

### A secure and stable disposal box for the disposal of clinical waste

- Rectangular container form
- The large contact surface renders additional securing measures unnecessary
- Two volumes, two designs
- Multi-Safe 25 & 50 - lid in lid system to vary the deposit opening
- Final closure is impervious to liquids with adhesive strips along the edge of the lid
- Lateral grooves at the upper edge confirm closure visually
- Stackable both empty and filled
- Suitable for oncological waste, cytostatics
- Collect- and transport container for disposal boxes with small volume

See product overview on page 34 for the specific box certifications.



### Ordering information

REF	Article designation	Volume in l	Material	Pcs. per box	Pcs. per pallet	Box dimensions [cm]	Pallet dimensions [cm]
77.3899.050	Multi-Safe eco 50	50.0	Polypropylene	-	125	-	120 x 80 x 195
77.3899.025	Multi-Safe eco 25	25.0	Polypropylene	-	160	-	120 x 80 x 195
77.3899.150	Multi-Safe 50	50.0	Polypropylene	-	125	-	120 x 80 x 195
77.3899.125	Multi-Safe 25	25.0	Polypropylene	-	160	-	120 x 80 x 195



## Multi-Safe *steri*

### Multi-Safe steri - Generously sized, practical, safe, autoclavable

- Rectangular container
- The large contact surface renders additional securing measures unnecessary
- Safe and stable for disposal of infectious waste
- Autoclavable at 121°C to 134°C
- The small cover melts at about 90°C to enable autoclaving, a grate prevents waste from falling out
- The small covers can be purchased additionally for labelling of autoclaved boxes (77.3888.800 - yellow; other colours are possible)
- Easy transport with handles on top and bottom sections
- Lateral grooves on the lid confirm closure visually
- Stackable both empty and filled
- Collect- and transport container for disposal boxes with small volume

See product overview on page 34 for the specific box certifications.



#### Ordering information

REF	Article designation	Volume in l	Material	Pcs. per box	Pcs. per pallet	Box dimensions [cm]	Pallet dimensions [cm]
77.3899.060	Multi-Safe steri 60	60.0	Polypropylene	-	120	-	120 x 80 x 240
77.3899.035	Multi-Safe steri 35	35.0	Polypropylene	-	150	-	120 x 80 x 240



Customer-specific Multi-Safe Disposal Box

- Multi-Safe Disposal Boxes can also be ordered as custom-made items beginning at a minimum order volume (e.g. with different colours, personalized label, etc.).
- Additional certification with your company address for the Multi-Safe Disposal Box custom-made for you is available upon request.

Please contact our hotline if you have any questions in this regard.



**Individualized custom-made options**  
 (starting at minimum order volume)

- other colours
- personalized label
- etc.

Safety-Tray – for organising blood collection supplies

- You can customize the Safety-Tray for your blood sampling procedures based on its flexible variations.
- Important: The accessories shown here are not included in the scope of delivery and must be ordered separately.

REF	Version		Pcs. per box
93.1650	Safety-Tray without insertable shelf 429 x 283 x 80 mm		1/box
93.1650.010	Version I 1 x S-Monovette® Rack D17 with handle 2 x Dispenser box with lid 1 x Multi-Safe opti 700 3 x Multi-purpose cup 1 x Disinfectant spray		1/box
93.1650.020	Version II 2 x Dispenser box with lid 1 x Multi-Safe vario 1500 6 x Multi-purpose cup 1 x Disinfectant spray		1/box
93.1650.030	Version III 2 x Dispenser box with lid 1 x Multi-Safe opti 700 8 x Multi-purpose cup 1 x Disinfectant spray		1/box
93.1650.040	Version IV 1 x S-Monovette® Rack D17 with handle 2 x Dispenser box with lid 1 x Multi-Safe vario 1500 1 x Multi-purpose cup 1 x Disinfectant spray		1/box
93.1650.050	Version V 1 x S-Monovette® Rack D17 with handle 1 x Dispenser box with lid 1 x Multi-Safe Box twin 1800 4 x Multi-purpose cup 1 x Disinfectant spray		1/box

Accessories

REF	Article designation	Version	Pcs. per box
77.3895.007	Multi-Safe opti 700	0.7 l, fits Version I and III	170/box
77.3893.015	Multi-Safe vario 1500	1.5 l, fits Version II and IV	60/box
77.3894.018	Multi-Safe twin 1800	1.8 l fits Version V	100/box
95.813.001	Dispenser box	with lid for Safety-Tray	35/box
75.1355.100	Multi-purpose cup	125 ml for Safety-Tray	1,000/box
93.851	Rack D17	with handle, grey	12/box
93.851.171	Rack D17	with handle, red	
93.851.172	Rack D17	with handle, yellow	
93.851.173	Rack D17	with handle, green	
93.851.174	Rack D17	with handle, blue	
93.851.175	Rack D17	with handle, orange	



For simple and secure mounting of the Multi-Safe sharps containers to the wall, table or any smooth surface



Ordering information

REF	Article designation	Material	Pcs. per box	Adapted to the product series
95.963	Wall holder	Stainless steel	30	quick, quick S, twin, opti*, euroMATIC®
95.963.001	Wall holder / euroMATIC®	Stainless steel	20	euroMATIC®
95.963.005	Fastening plate in conjunction with wall holder 95.963.001	Stainless steel	20	
95.963.006	Round tube holder in conjunction with wall holder 95.963.001	POM	10	
95.963.015	Wall holder vario 1500	Stainless steel	25	vario 1500
95.963.023	Wall holder vario 2300	Stainless steel	30	vario 2300
95.963.003	Holder ø 130 mm	Chrome nickel steel	10	quick/quick S 1500, 2000, 2500 opti 1700, 2100, 3000
95.963.004	Holder ø 140 mm	Chrome nickel steel	10	twin 1800, 2100, 3000, 5000
95.965.001	Adhesive adapter	Polypropylene	150	quick, quick S, twin, opti*, euroMATIC®
95.965.003	Desk holder vario	Stainless steel	1	vario 1500, 2300

\*exception: opti 500T

Absorbent materials (ISO 23907)

On the basis of ISO 23907, placement of the following absorbent materials in each disposal box is required to prevent leakage of liquid residues. It is important to make sure sufficient absorbent material is used to cover the entire filling volume of the box.



Ordering information

REF	Absorbency	Minimum order volume	for Multi-Safe
78.669	16 ml each	1,000	euroMatic®, opti, twin, quick/quick S
78.684	8 ml each	2,000	sani, mini
95.1712	1200 ml each	100	euroMatic® (6.0 and 7.0 litres), medi

Multi-Safe label

Labels as follows can be ordered in addition to the disposal boxes:



Ordering information

REF	Article designation	Pcs. per inner box	Pcs. per outer box
84.1390.022	Label 70x80 mm	2000	8000

Box type	REF	Tests		
		TRBA 250	UN	ISO 23907
Multi-Safe sani 200	77.3890.002	✓	✓	✓
Multi-Safe mini 300	77.3890.003	✓	✓	✓
Multi-Safe quick 500	77.3891.005	✓	✓	✓
Multi-Safe quick 1000	77.3891.010	✓	-	✓
Multi-Safe quick 1500	77.3891.015	✓	-	✓
Multi-Safe quick 2000	77.3891.020	✓	-	✓
Multi-Safe quick 2500	77.3891.025	✓	-	✓
Multi-Safe quick S 1500	77.3892.015	✓	✓	✓
Multi-Safe quick S 2000	77.3892.020	✓	-	✓
Multi-Safe quick S 2500	77.3892.025	✓	-	✓
Multi-Safe vario 1500	77.3893.015	✓	✓	✓
Multi-Safe vario 2300	77.3893.023	✓	-	-
Multi-Safe twin 700	77.3894.007	✓	✓	✓
Multi-Safe twin 1800	77.3894.018	✓	✓	✓
Multi-Safe twin 2100	77.3894.021	✓	✓	✓
Multi-Safe twin 3000	77.3894.030	✓	✓	✓
Multi-Safe twin 5000	77.3894.050	✓	✓	✓
Multi-Safe opti 500 T	77.3895.005	✓	✓	✓
Multi-Safe opti 700	77.3895.007	✓	✓	✓
Multi-Safe opti 1700	77.3895.017	✓	✓	✓
Multi-Safe opti 2100	77.3895.021	✓	✓	✓
Multi-Safe opti 3000	77.3895.030	✓	✓	✓
Multi-Safe euroMatic® 3000	77.3897.030	✓	✓	✓
Multi-Safe euroMatic® 4000	77.3897.040	✓	✓	✓
Multi-Safe euroMatic® 6000	77.3897.060	✓	✓	✓
Multi-Safe euroMatic® 7000	77.3897.070	✓	✓	✓
Multi-Safe medi 6	77.3898.006	✓	✓	✓
Multi-Safe medi 11	77.3898.011	✓	-	✓
Multi-Safe medi 6	77.3898.506	✓	✓	✓
Multi-Safe medi 6, with handle	77.3898.106	✓	✓	✓
Multi-Safe medi 11, with handle	77.3898.111	✓	-	✓
Multi-Safe medi 6, with handle and label	77.3898.206	✓	✓	✓
Multi-Safe medi 11	77.3898.511	✓	-	✓
Multi-Safe eco 25	77.3899.025	-	✓	-
Multi-Safe eco 50	77.3899.050	-	✓	-
Multi-Safe steri 35	77.3899.035	-	✓	-
Multi-Safe steri 60	77.3899.060	-	✓	-
Multi-Safe 25	77.3899.125	-	✓	-
Multi-Safe 50	77.3899.150	-	✓	-

Volume in l	Height [mm]	Ø lid [mm]	Ø bottom [mm]	Pcs. per box	Pcs. per pallet	Page
0.2	131	70 x 46	57 x 32	110	3,300	7
0.3	160	45 x 81	41 x 77	135	2,700	7
0.5	121	98	79	170	2,720	10
1.0	212	98	76	100	1,600	10
1.5	162	140	107	120	1,920	9
2.0	202	140	107	80	1,280	9
2.5	252	140	107	50	800	9
1.5	162	140	107	80	1,280	11
2.0	202	140	107	65	1,040	11
2.5	252	140	107	45	720	11
1.5	120	244 x 104	210 x 70	60	960	13
2.3	161	244 x 104	210 x 70	45	720	13
0.7	135	98	77	200	3,200	17
1.8	162	143	112	100	1,600	16
2.1	186	143	112	100	1,600	16
3.0	259	143	112	60	960	16
5.0	425	143	112	45	540	15
0.5	164	79	62	110	1,760	21
0.7	166	97	78	170	2,720	20
1.7	165	143	112	110	1,760	19
2.1	197	143	112	80	1,280	19
3.0	298	143	112	50	800	19
3.0	185	173 x 173	132 x 132	55	495	23
4.0	245	173 x 173	132 x 132	50	450	23
6.0	330	173 x 173	132 x 132	40	360	23
7.0	390	173 x 173	132 x 132	37	333	23
6.0	195	230	190	-	576	25
11.0	220	298	257	-	330	25
6.0	195	230	190	24	384	25
6.0	195	230	190	-	576	25
11.0	220	298	257	-	330	25
6.0	195	230	190	24	384	25
11.0	220	298	257	14	224	25
25.0	260	295 x 395	230 x 330	-	160	27
50.0	500	295 x 395	230 x 330	-	125	27
35.0	330	393 x 393	340 x 340	-	150	29
60.0	520	393 x 393	340 x 340	-	120	29
25.0	260	295 x 395	230 x 330	-	160	27
50.0	500	295 x 395	230 x 330	-	125	27

Safe handling of Disposal Boxes *euroMATIC®*, *steri*, *eco*, *opti*, *twin*

Centre lid on lower section of box. The red day lid and carrying handle point forwards.

Press down simultaneously on opposing lid corners to join lid and lower box section.

Lid must be pressed in evenly all along the edge until it snaps in audibly and visibly (see view in circle).

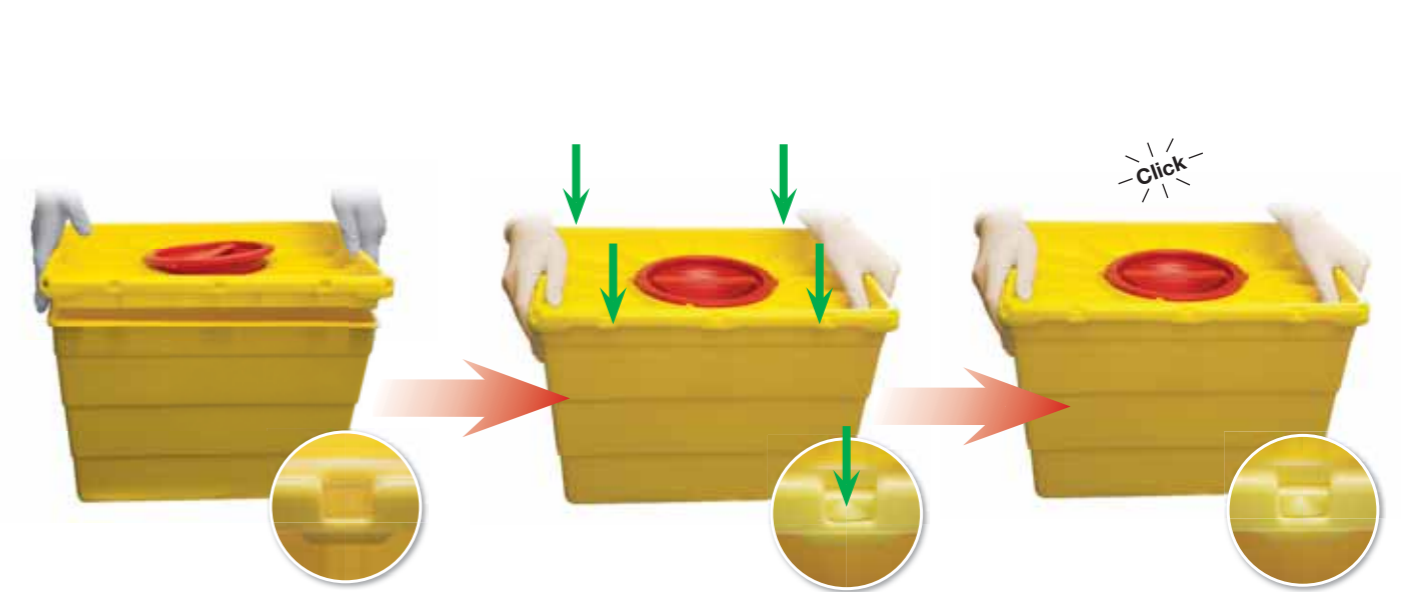


Safe handling of Disposal Boxes *eco/Multi-Safe* (lid in lid)

Centre lid on lower section of box.

Press down simultaneously on opposing lid corners to join lid and lower box section.

Lid must be pressed in evenly all along the edge until it snaps in audibly and visibly.

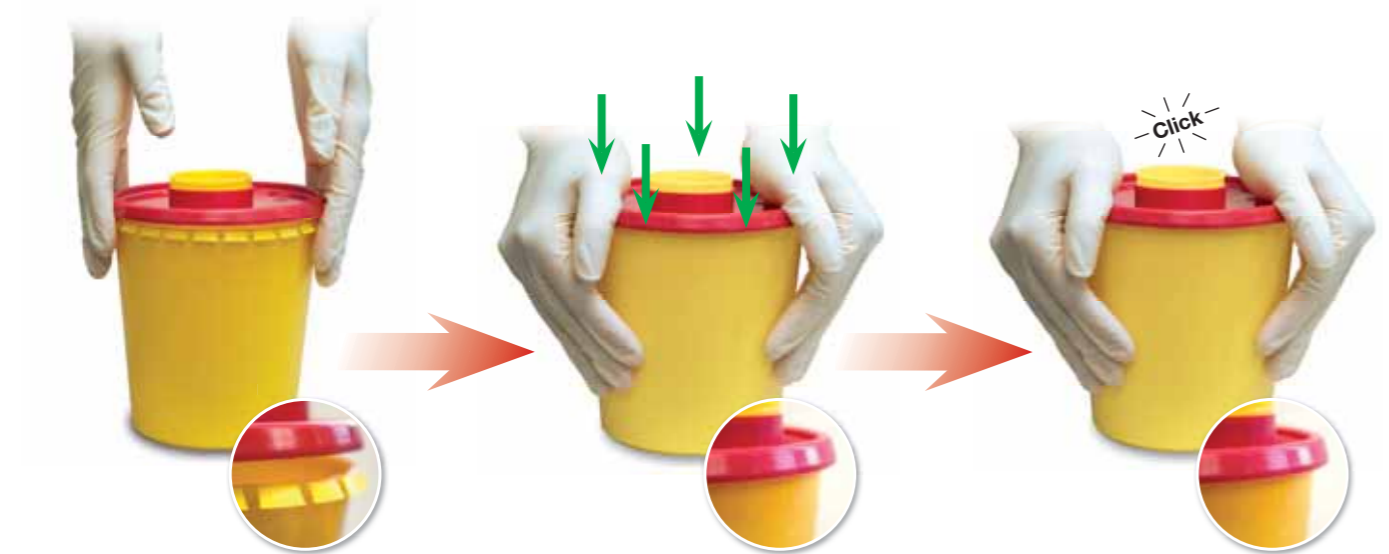


Safe handling of Disposal Boxes *quick & quick S*, *vario*, *opti 500T*, *medi*

Centre lid on lower section of box. Yellow day lid faces forwards.

Press down simultaneously on opposing sides of lid to join lid and lower box section.

Lid must be pressed in evenly all along the edge until it snaps in audibly and visibly.



Day closure / Final closure

1 x snap-in (for reuse)

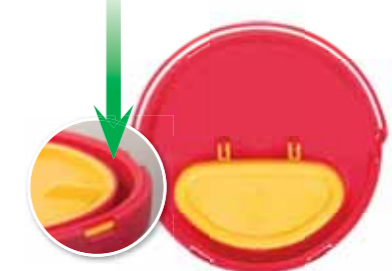


Day closure

2 x snap-in (final closure)



Final closure



### Note on use of Multi-Safe

#### Proper and intended use

The disposal container is used solely for disposal of pointed and sharp objects, e.g. cannulas and scalpel blades, resulting from medical practice.

#### Safety information

- Use only boxes that are suitable for the objects you wish to dispose of.
- Store box out of reach of children.
- The lid must be in place and snapped in before filling the container.
- Unscrew to connect box to recommended adhesive adapter, or attach to wall holder, to prevent overturning.
- Do not use day lid to push objects to be discarded into the container.
- Exercise particular caution when disposing of scalpels in the box. If too much force is exerted when inserting or filling items into the box, the walls of the box may be tilted and the walls or bottom of the box may be damaged.
- Insert waste items vertically into the box.
- Never force objects into the box.
- Do not fill liquids into the box.
- Do not fill box above the full line (risk of injury!).
- Do not reach into the box with the hand or otherwise (risk of injury!).
- Do not throw box to the floor. Do not shake box. Do not drop box.
- Make sure no objects are sticking out of the opening before final closure of the box.
- Close box by hand only and do not apply force.
- During final closure do not press the box against your body (e.g. against your chest)!
- Do not compress filled box from the outside.
- Use the carrying handle.
- Check carefully to make sure the lid is tightly closed before disposing of the box.



#### ISO 23907

If the box is to be used according to this directive, one of the absorbent inserts on page 33 must be placed in it.

### Disposal and the environment

- ✓ The plastics used in our products are environmentally neutral when disposed of.
- ✓ It is safe to dispose of these plastics in landfills since they release no harmful substances into the air, soil or water.
- ✓ When disposed of in waste incineration plants, the plastics PS, PP, PC and PE serve as valuable energy sources to maintain incineration chamber temperature. The higher the plastic content of the waste, the lower the amount of heating oil required. Incineration of these plastics does not produce harmful emissions.

	Polystyrene	Polypropylene	Polycarbonate	Polyethylene
Abbreviations	PS	PP	PC	HD-PE High Density LD-PE Low Density
<b>Optical properties</b>	Transparent, shiny surface 90% transluence (at 400-800 nm)	translucent, shiny surface	Transparent, shiny surface 88% transluence (at 400-800 nm)	translucent to opaque, waxy surface
<b>General mechanical properties</b>	Low levels of elongation and high temperature strength, very good electrical insulation properties, not suitable for high centrifuge speeds	High level of break resistance, resistant to stress cracking, high dimensional stability, high level of rigidity	very good mechanical, optical, electrical and thermal properties, autoclavable, sterilizable	Relatively low levels of breaking strength and surface hardness, high level of toughness, soft to rigid, susceptible to stress cracking, water-resistant
<b>Suitability for autoclaving</b>	not suitable	Products made of PP can be autoclaved at up to 121°C without significant deterioration of their mechanical properties. Users must determine by testing whether other product properties are influenced with regard to the desired use of a given product.	Products made of PC can be autoclaved at up to 121°C without significant deterioration of their mechanical properties. Users must determine by testing whether other product properties are influenced with regard to the desired use of a given product.	not suitable
<b>Max. temperature for continuous use*1</b>	60 - 70°C	100 - 110°C	115 - 125°C	HD-PE 70 - 80°C LD-PE 60 - 75°C
<b>Temporary maximum temperature for use*1</b>	75 - 80°C	120 - 140°C	125 - 140°C	HD-PE 90 - 120°C LD-PE 80 - 90°C
<b>Use at below-zero temperatures*2</b>	suitability limited	conditionally suitable*1	down to -80°C	conditionally suitable*1
<b>Density g/cm<sup>3</sup></b>	1.05	0.90	1.19	HD-PE 0.95 LD-PE 0.92
<b>Combustibility</b>	combustible	combustible	combustible	combustible
<b>Ignition temperature*1</b>	300 - 400°C	300 - 360°C	380 - 450°C	350 - 360°C
<b>Moisture absorption</b>	< 0.1%	< 0.1%	0.1 - 0.3%	< 0.1%
<b>General chemical resistance</b>	PS is resistant to salt solutions, lyes, non-oxidizing acids, alkalis and alcohols. Benzene, ethereal oils, highly oxidizing agents and aromatics attack PS, resulting in stress cracking.	PP is resistant to aqueous solutions of inorganic salts, acids, alkalis and organic solvents at up to 60°C. Alcohols, esters and ketones also do not attack PP. Aromatic and halogenated hydrocarbons, oxidizing 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), oxidants, reductants, neutral and acidic salt solutions, a number of fats and oils, saturated, aliphatic and cycloaliphatic hydrocarbons and alcohols with the exception of methanol. Lyes, ammonia gas, as well as its soluble form and amines, attack PC. PC is soluble in a number of industrial solvents. Other organic compounds such as benzene, acetone and carbon tetrachloride may cause stretching or swelling.	PE is highly resistant to chemicals. Generally speaking HD-PE is more resistant to chemicals than LD-PE. Aqueous acids, lyes, alcohols and oil, as well as water and salt solutions, do not attack PE. Concentrated, oxidizing acids such as nitric acid and halogens have a disintegrating effect.
<b>Disposal</b>	PS is a pure hydrocarbon compound and is therefore environmentally neutral when disposed of. A regulated combustion process does not produce any harmful substances.	PP is a pure hydrocarbon compound and is therefore environmentally neutral when disposed of. A regulated combustion process does not produce any harmful substances.	PC is a pure hydrocarbon compound and is therefore environmentally neutral when disposed of. A regulated combustion process does not produce any harmful substances.	PE is a pure hydrocarbon compound and is therefore environmentally neutral when disposed of. A regulated combustion process does not produce any harmful substances.

\*1 The level of suitability depends on the plastic types used in each case as well as from the type of stress load.

\*2 Important: The plastic materials become more brittle at below-zero temperatures. Before using products in the below-zero range tests should be run for the application in question. This information is intended as a guideline only and cannot be construed as a warranty of product properties.

*Contact us if you have any questions,  
we will be glad to help!*

*You can also visit our website at*

*[www.sarstedt.com](http://www.sarstedt.com)*



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SARSTEDT AG & Co.  
P.O. Box 12 20  
D-51582 Nümbrecht  
Phone +49 2293 305-0  
Fax +49 2293 305-3992  
[export@sarstedt.com](mailto:export@sarstedt.com)  
[www.sarstedt.com](http://www.sarstedt.com)