Waste Management

S·C·A·T ®
europe

Safety Specialist

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interchim

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interchim

Optimum protection for disposing of solvent waste in laboratories and pilot plants

How are used solvents disposed of?

Archaic conditions often govern laboratory practice. Open containers and funnels, often without drain trays, only rarely positioned beneath the exhaust - this is the sad reality. However, for almost every conventional disposal container there are suitable safety cap systems and safety funnels that make retrofitting easy and provide ongoing flexibility.

The bottom line

Those who want to get waste disposal under control and create optimum conditions for solvent use for their HPLC need a sound concept. And SCAT-Europe has one. It offers more protection for people and for the environment and reduces the amount of solvents used – SafetyCaps are a one-time investment that provide many years of health and safety.

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Contents

The best solution

Trust in safe, professional waste management

Each process is associated with different requirements for the disposal of liquid waste from laboratories and pilot plants. SCAT-Europe can put the right equipment together for you from basic solutions to radio monitored disposal stations.

Just ask!

The example configuration shown here is entirely electroconductive, so it is suitable for use in explosion-proof areas.

Safety funnel PE-HD, 135 mm with removable sieve

Canister PE-HD-EL 10 l with integrated level control

Exhaust filter

Integrated level control with protective cage

SafetyWasteCap

Drain tray PE-HD-EL, large with base

Non-conductive protective mat

DO A SAFETY CHECK OF YOUR WASTE EQUIPMENT NOW

Go ahead, spill something

We'll make it easier for you to clean it up

Avoid spilling solvents on the floor if the container overflows
or if there is an accident during filling.
The great advantage of plastic SCAT drain trays over conventional
stainless steel trays is their low weight.

ESSENTIAL FOR SYSTEMS WITHOUT LEVELCONTROL

395 x 300 mm
Part No. 117983
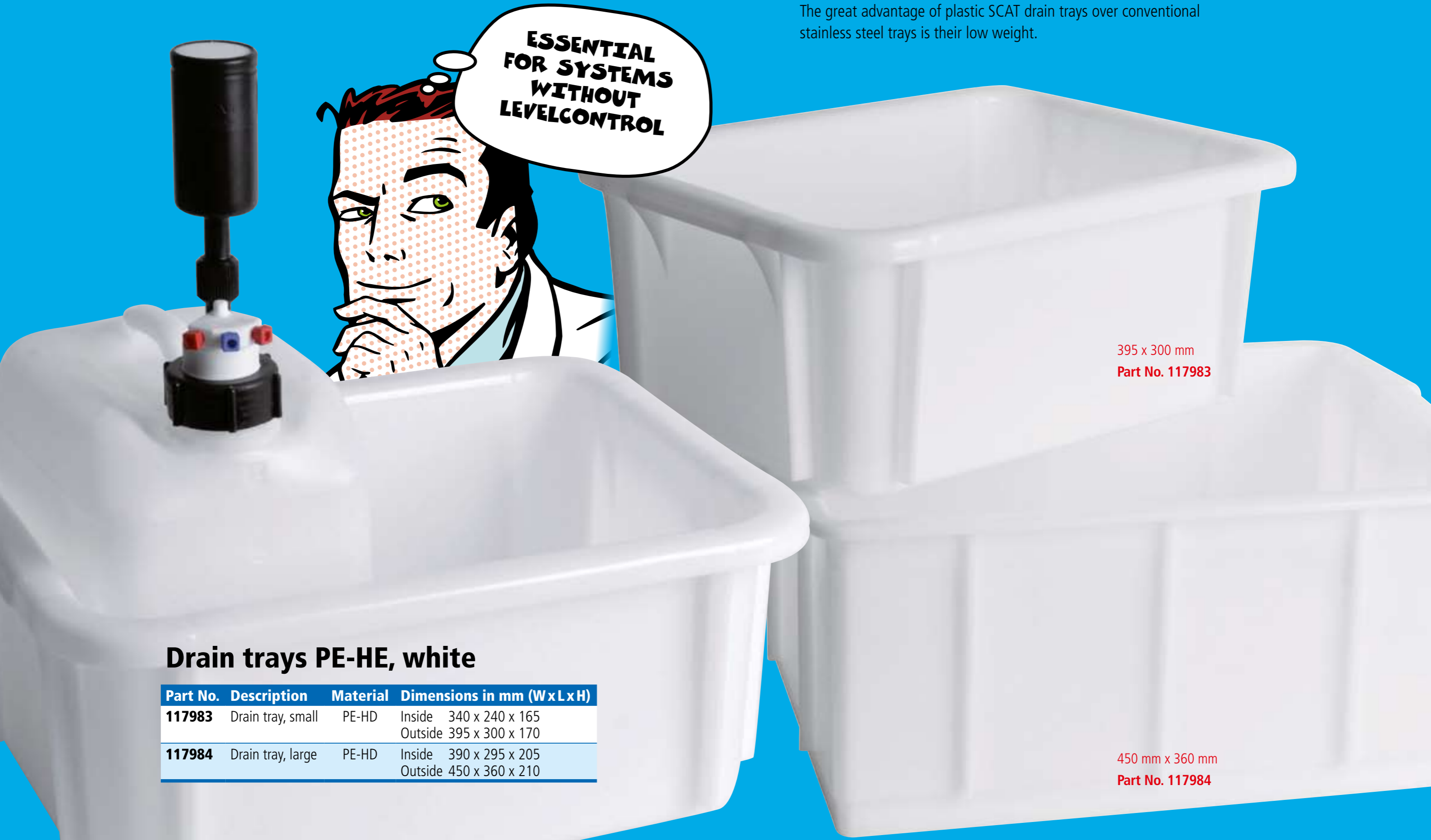
Drain trays PE-HE, white

Part No.	Description	Material	Dimensions in mm (W x L x H)	
117983	Drain tray, small	PE-HD	Inside	340 x 240 x 165
			Outside	395 x 300 x 170
117984	Drain tray, large	PE-HD	Inside	390 x 295 x 205
			Outside	450 x 360 x 210

450 mm x 360 mm
Part No. 117984

Don't be afraid of electrical voltage

Proven equipment for explosion-proof areas

Sometimes safety is a little more important.
In this case, SCAT-Europe also offers practical, electroconductive drain trays – with all of the accessories that you need. The "medium" and "large" models have a base that ensures that the waste container remains in a dry area.

Drain tray, small
Part No. 108981

Drain tray, large
Part No. 117986

ANTISTATIC ACCESSORIES ON PAGE 23

Drain tray, medium
Part No. 117985

Drain trays PE-HD, black, electroconductive

Part No.	Description	Material	Dimensions in mm (W x L x H)	
108981	Drain tray, small	PE-HD	Inside	305 x 205 x 215
			Outside	315 x 220 x 215
117985	Drain tray, medium	PE-HD	Inside	395 x 300 x 130
			Outside	445 x 350 x 230
117986	Drain tray, large	PE-HD	Inside	440 x 320 x 230
			Outside	500 x 380 x 230
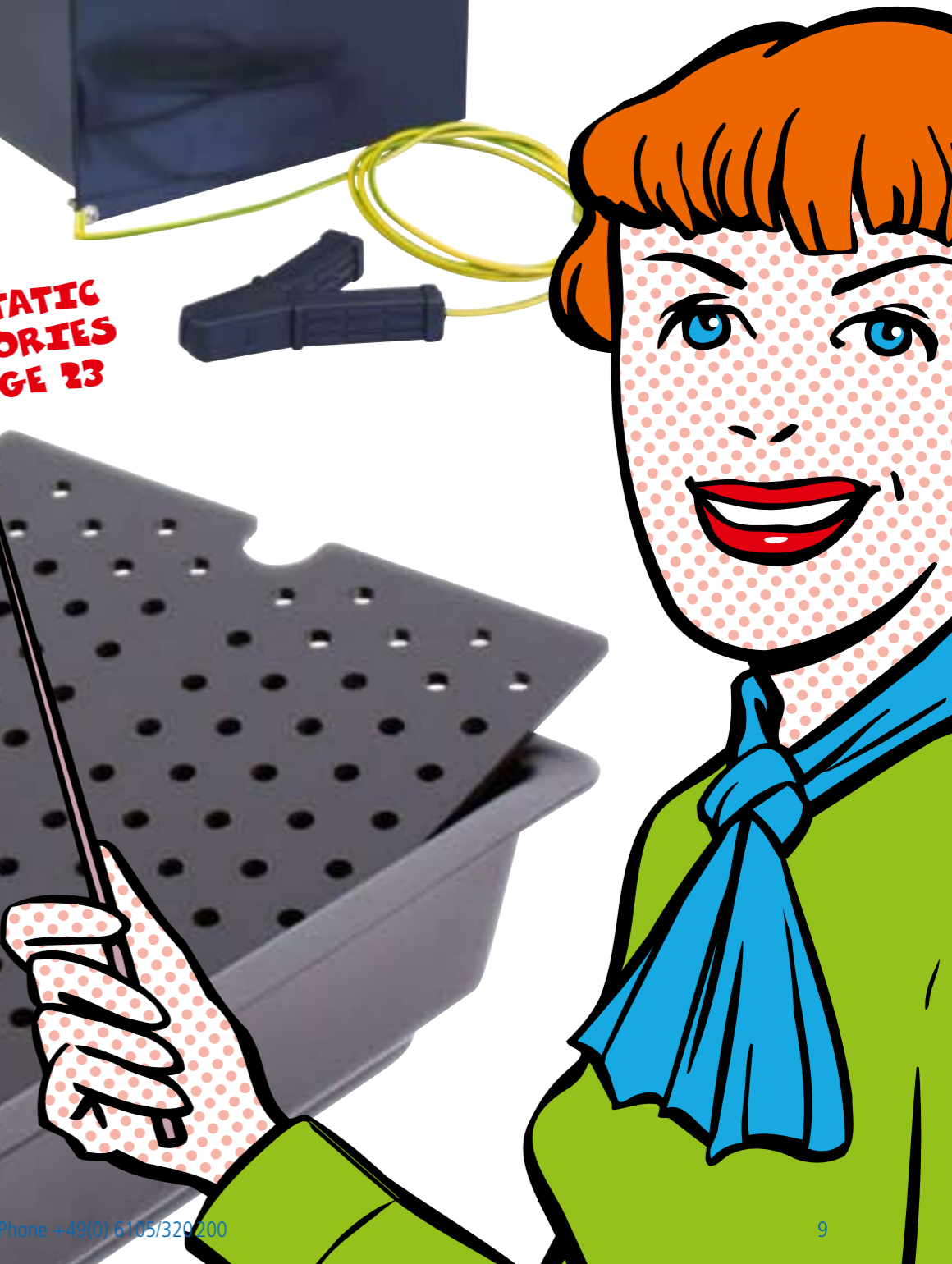
Safety funnels

Take a deep breath!
SCAT safety funnels protect you from harmful waste vapors

Working together with our users, we have improved the SCAT safety funnels even further. With its new design, it fits below surfaces with low clearance. The funnels, made of PE-HD, are suitable for use with all types of chemicals. Moreover, the black models are electroconductive and are supplied with a grounding gripper.

The models without caps have an integrated ball valve so that the containers remain safely closed after they are filled. The screw cap rotates freely, which makes it easier to screw the funnel on and off. There is a special adapter for use with barrels.

EXTREMELY PRACTICAL

Available nowhere else

Funnel with self-closing ball valve and removable sieve
∅ 180 mm
Lance length 200 mm
Height 165 mm

WITH BALL VALVE

NEU

REMOVABLE SIEVE

Funnel with cap, lance and removable sieve
∅ 135 mm
Height 90 mm
Lance length 200 mm

NEU

360° ROTATION CAPABILITY WITH ALL MODELS

Inexpensive basic model without lance for aqueous solutions, bases, etc.
∅ 135 mm

Used vials can be disposed of completely without opening the waste container. Only the funnel with cap provides this option.

NEU

New design, improved handling features, optimized application options, unique in the world.

- Made of high quality PE-HD
- For use with all types of chemicals
- Various thread diameters
- Adapter for barrels available
- Vials can be disposed of completely with the funnel with cap

- All models have removable sieves
- Low installed height – even fits below low work surfaces
- Ball valve with ∅ 180 mm
- Flip cap with ∅ 135 mm
- Lance length 200 mm
- Sieve is removable for cleaning
- Electroconductive models also available

Thread	PE-HD white			PE-HD black – electroconductive – with grounding gripper		
	∅ 180 mm with lance	∅ 135 mm with lance	∅ 135 mm without lance	∅ 180 mm with lance	∅ 135 mm with lance	∅ 135 mm without lance
GL45	117642	118992	118952	117622	118982	118962
S50	117649	118995	118955	117629	118985	With adapter
S51	117644	118993	118953	117624	118983	With adapter
S55	117645	118991	118951	117625	118981	118961
S60/61	117641	118990	118950	117621	118980	118960
S65	117646	118994	118954	117626	118984	118964
S70/71	117648	With adapter	With adapter	117628	With adapter	With adapter
S90	117643	With adapter	With adapter	117623	With adapter	With adapter
83B	117647	With adapter	With adapter	117627	With adapter	With adapter

Accessories	PE-HD white		PE-HD black – electroconductive	
	∅ 180 mm	∅ 135 mm	∅ 180 mm	∅ 135 mm
Sieve	117640	118999	117620	118989

interchim

Funnel with cap, electroconductive with lance and removable sieve
∅ 135 mm
Height 90 mm
Lance length 200 mm

REMOVABLE SIEVE

NEU

Inexpensive basic model without lance, electroconductive, etc.
∅ 135 mm

NEU

Used vials can be disposed of completely without opening the waste container. Only the funnel with cap provides this option.

The electroconductive models are supplied with grounding gripper.

Funnel, electroconductive with self-closing ball valve and removable sieve
∅ 180 mm
Lance length 200 mm
Height 165 mm

WITH BALL VALVE

NEU

360° ROTATION CAPABILITY WITH ALL MODELS

Measurement point and dimensions of canister threads

The various funnel heights make applications possible even below low work surfaces.

165 mm

Funnel with flip cap Ø 135 mm

90 mm

Funnel without flip cap Ø 180 mm

∅ OD = Outer diameter of canister thread

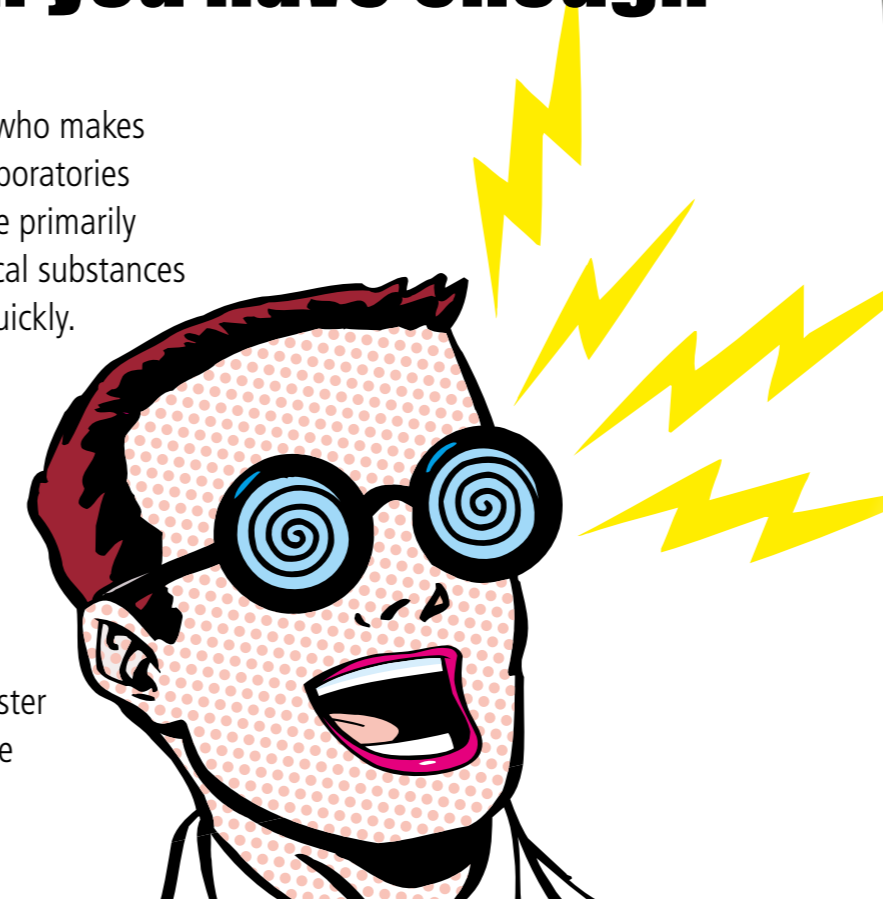| Cap dimensions	∅ OD in mm (approx.)	Notes
GL28	28	
GL32	31.5	
GL38	37.5	for Wheaton® and Nalgene® bottles
GL40	40	for Merck® bottles
GL45	44.5	
S50	50	for space-saving canisters
S51	48	
B53	53	for Nalgene® bottles
S55	53.5	
S60	59	
B63	62	for Nalgene® bottles
S65	64.5	for KAUTEX® canisters
S71	70	
GL80	80	
B83	88	for Nalgene® bottles (approx. 13 mm thread pitch)
S90	88	
S95	94	

CAUTION!!! All dimensions may (depending on the manufacturer) vary by up to 0.5 mm less or more!!!

Go ahead – take a look!

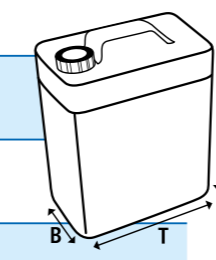## The SCAT level control will show you when you have enough

Everyone uses them, everyone fills them, but who makes sure that the containers don't overflow? In laboratories and pilot plants, dripping waste containers are primarily dangerous when work is performed with critical substances and solvents. Dangerous vapors can spread quickly. These are not only harmful to health, but in certain circumstance, they can even cause an explosion.

Containers that are monitored offer more operational safety and protection from such serious consequences. The level control developed by SCAT is integrated into the canister and a visual display warns users when a waste container may overflow.

To protect the glass level control, SCAT-Europe offers a plastic protective cage Part No. 199013

Canister, electroconductive, with integrated level control

Part No.	Description	Contents	Material	Dimensions in mm (W x L x H)
108042	Canister with integrated level control	10 l	PE-HD, electro-conductive	185 x 290 x 280
108043	Canister with integrated level control	20 l	PE-HD, electro-conductive	185 x 290 x 515
108220	Canister with integrated level control	10 l	PE-HD, electro-conductive	195 x 195 x 400
107740	Canister with integrated level control	60 l	PE-HD, electro-conductive	330 x 395 x 690

Make transportation safer

All UN-Y approved canisters from SCAT-Europe are approved with regard to the transportation of hazardous materials on streets and on factory premises.

Static electricity is sometimes generated even just when you walk or move around on a chair, and a person can be charged with up to approx. 30,000 volts. Usually electrostatic discharge of current through the human body causes just a slight shock – but in areas with a high fire risk, in certain circumstances such a discharge can trigger a fire. This is also the case when dealing with flammable liquids and gases (e.g. when solvent waste is transferred from one container to another, etc.). For this reason, it is important to use electroconductive containers in these situations.

A useful addition to the canister is the safety funnel with ball valve or cap.

Canisters with UN-Y approval, electroconductive

Part No.	Description	Contents	Material	Thread	Dimensions (W x L x H) mm
107953	Canister	10 l	PE-HD, black, electroconductive	S60/61	185 x 290 x 265
108027	Canister	20 l	PE-HD, black, electroconductive	S60/61	185 x 290 x 500
107954	Canister	30 l	PE-HD, black, electroconductive	S70/71	260 x 370 x 425
107940	Canister	60 l	PE-HD, black, electroconductive	S70/71	330 x 395 x 625
108120	Canister	10 l	PE-HD, black, electroconductive	S90	195 x 195 x 380
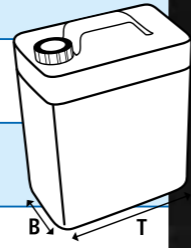
You buy at low prices and we deliver fast.

SCAT-Europe's standard product range offers quite few canisters – if you're missing one, just call us – we'll find the right one for you.

Canisters with UN-Y approval

All of the UN-Y approved canisters from SCAT Europe are approved with regard to the transportation of hazardous materials on streets and on factory premises.

Part No.	Description	Contents	Material	Thread	Dimensions (W x L x H) mm
107950	Canister	2,5 l	PE-HD	GL45	115 x 150 x 210
107951	Canister	5 l	PE-HD	GL45	150 x 195 x 250
107952	Canister	10 l	PE-HD	GL45	190 x 230 x 305
107958	Canister	5 l	PE-HD	S51	145 x 190 x 250
107957	Canister	5 l	PE-HD	S55	160 x 185 x 230
107955	Canister	10 l	PE-HD	S55	185 x 225 x 305
107956	Canister	20 l	PE-HD	S60/61	260 x 285 x 390
107959	Canister	30 l	PE-HD	S60/61	290 x 380 x 400
107710	Canister	60 l	PE-HD	S70/71	330 x 370 x 635
108020	Canister	10 l	PE-HD	S90	195 x 195 x 380

CONSULTATION INCLUDED
+49(0)6105/320200

Also available for use with vacuums and autoclaves

Part No. 107704

Part No. 107706

Part No.	Description	Contents	Material	Thread	Dimensions
107711	Round canister	2 l	PE-HD	53B	∅ 119, H: 260 mm
107712	Round canister	4 l	PE-HD	83B	∅ 155, H: 338 mm
107706	Round canister with carrying handle	10 l	PP	83B	∅ 250, H: 390 mm
107730	Round canister with carrying handle, **autoclavable**	50 l	PP	83B	∅ 380, H: 680 mm
107722	Round canister with blue liter scale, 0–5 liters	5 l	PE-HD	S65	∅ 167, H: 330 mm
107704	Round canister with blue liter scale, 0–10 liters	10 l	PE-HD	S65	∅ 205, H: 430 mm
107720	Round canister with blue liter scale, 0–25 liters	25 l	PE-HD	S65	∅ 278, H: 580 mm
107721	Round canister with blue liter scale, 0–60 liters	60 l	PE-HD	S65	∅ 350, H: 825 mm
107707	Round canister	5 l	PE-HD	S95	∅ 170, H: 310 mm

Canisters without UN-Y approval!

Why not save?

It's easy to order the complete Safety Sets: just one part number for the complete safety system. Don't waste time putting together a configuration. The complete set is delivered ready for immediate use.

SafetyWasteSet 10 l PE-HD-EL
Art-Nr. 107320

SafetyWasteSet 10L PE-HD-EL electroconductive

Part No.	Scope of delivery	Dimensions (W x L x H)
107320	1 x canister 10 liters, S60/61, PE-HD, electroconductive	210 x 430 x 460 mm
	1 x mechanical level control (108042)	
	1 x safety funnel S60/61, PE-HD, electroconductive, with stainless steel sieve and grounding cable ⏚ (108971)	

SafetyWasteSet 20 l PE-HD-EL
Art-Nr. 107321

SUPER PRICING ADVANTAGES FOR ALL SETS

SafetyWasteSet 20 l PE-HD-EL, electroconductive

Part No.	Scope of delivery	Dimensions (W x L x H)
107321	1 x canister 20 liters, S60/61 PE-HD, electroconductive	210 x 430 x 710 mm
	1 x mechanical level control (108043)	
	1 x safety funnel S60/61, PE-HD, electroconductive, with stainless steel sieve and grounding cable ⏚ (108971)	

SafetyWasteSet PE-HD basic, canister with funnel with cap and sieve

Part No.	Description	Dimensions (W x L x H)
107316	Canister, 2.5 l GL45 + funnel	115 x 150 x 305 mm
107317	Canister, 5 l, GL45 + funnel	150 x 195 x 345 mm
107318	Canister, 10 l, GL45 + funnel	190 x 230 x 395 mm

AVAILABLE IN THREE SIZES

SafetyWasteSet PE-HD-EL with drain tray, electroconductive

Part No.	Scope of delivery	Dimensions (W x L x H)
107315	1 x canister 10 l	445 x 350 x 405 mm
	1 x safety funnel with cap and sieve	
	1 x drain tray	
	1 x grounding gripper	

Foldable canisters
with UN-Y approval

Space-saving for storage

Before it is filled, the Politainer can be stored with optimal space savings and can be stacked when filled. While it is being filled, the Politainer unfolds by itself - the integrated handle ensures safe transport and prevents problems when emptying.

Saves space and money

Its smaller volume in its original state saves you transportation costs. The carton can be used several times, increasing the cost-effectiveness. The combined packaging uses 50%−75% less material than rigid containers, so it is environmentally friendly. When the sturdy outer packaging is used, the Politainer is UN-Y approved.

Politainer – foldable canister

Part No.	Description	Volume	Dimensions (W x L x H)	Thread
107330	Politainer	5 l	178 x 178 x 178 mm	GL38
107331	Politainer	10 l	228 x 228 x 228 mm	GL38
107332	Politainer	10 l (without handle)	228 x 228 x 228 mm	S60
107333	Politainer	20 l	285 x 285 x 285 mm	S60
107334	Box*	For Politainer 5 l	189 x 186 x 190 mm	–
107335	Box*	For Politainer 10 l	236 x 236 x 236 mm	–
107336	Box*	For Politainer 20 l	290 x 290 x 306 mm	–

* With UN-Y approval for hazardous materials in packaging groups II and III

Accessories

Part No.	Description
107338	Thread adapter, PTFE, GL38 (w, short) on GL45 (m) for Politainer, GL38, foldable
107339	Thread adapter, PP, GL38 (w, short) on GL45 (m) for Politainer, GL38, foldable

Flat canisters

Space-saving solution

Just 65 mm wide

Space-saving canisters are also available with integrated level controls.

Part No.	Description	Contents	Material	Thread	Dimensions (W x L x H)
107998	Space-saving canister	5 l	PP	S50	65 x 330 x 335 mm
108945	Space-saving canister with level control	5 l	PP	S50	65 x 330 x 405 mm

Accessories

Safe disposal of liquid laboratory waste is only ensured when the right accessories are used. SCAT-Europe offers high quality products, some that we have developed ourselves. However, if you need anything else, we'd be happy to take care of it for you.

Don't forget to ask about safety systems with electronic level control
Phone +49(0)6105/320200

Spout, rigid, electroconductive

Part No.	Description	Dimensions
610504	Spout, rigid, electroconductive	L = 61cm W = 122cm H = 0,3cm

Spout, electroconductive with vent, thread S60/S61, no electrostatic charging when emptying the canister

1 gripper, connection ring
Part No. 108011

1 clamp, 1 gripper
Part No. 108010

2 grippers
Part No. 108009

Grounding cable

Part No.	Description	Dimensions
108009	2 grippers	L = 1.5m
108012	2 grippers	L = 2m
108010	1 clamp, 1 gripper	L = 1.5m
108013	1 clamp, 1 gripper	L = 2m
108011	1 gripper, 1 connection ring (⌀ 10mm)	L = 1.5m
108014	1 gripper, 1 connection ring (⌀ 10mm)	L = 2m
107938	1 gripper 1 plug for SafetyWaste-Cap ground connection	L = 1.5m
107939	1 gripper 1 plug for SafetyWaste-Cap ground connection	L = 2m

Sieve

Accessories	PE-HD white		PE-HD black – electroconductive	
	⌀ 180 mm	⌀ 135 mm	⌀ 180 mm	⌀ 135 mm
Sieve	117640	118999	117620	118989

Antistatic mat

Part No.	Description	Dimensions
108099	Non-conductive mat	500 x 600 mm

Several mats can be connected with each other.

Protective cage

Part No.	Scope of delivery
199013	1 piece

For protecting glass level controls.

XXL

The filter removes solvent vapors from the exhaust air. With a specific surface area of **1,200 m²/g**, our special active charcoal based granulate is the optimum filter medium for almost any solvent vapor – it absorbs 99% of the volatile substances.

Total active filter surface

Barrel exhaust air filter, small
For containers of 60–100 l   **624,000 m²**

Barrel exhaust air filter, large
For containers < 100 l   **1,188,000 m²**

Exhaust air filters for barrels

Part No.	Dimensions	Volume	For barrel size	Thread
108985	Barrel exhaust air filter, small	520 g	60–100 l	G3/4"
108986	Barrel exhaust air filter, large	990 g	> 100 l	2" Mauser
108987	Barrel exhaust air filter, large	990 g	> 100 l	2" Tri-Sure
108988	Barrel exhaust air filter, large	990 g	> 100 l	2" BSP

Safety instructions

Warranty/Safety of our products
Strict quality control ensures that the products you receive from us are of high quality and in flawless condition. However, if you do receive a faulty product, of course we will replace it at no cost. Because these products are based on technically advanced components, we cannot guarantee items to which the user has made technical modifications or has damaged.

The same applies to custom products manufactured according to our customers' requirements because it is the user's responsibility to check whether or not the desired products are technically suitable. We do not accept liability for events or accidents caused by inappropriate handling or technical modifications to our products by the user.

Safety and health
Pay particular attention to the hazard symbols and danger labels in your company and to the packaging of your chemicals. Always wear the required protective clothing when handling substances identified as hazardous!

Chemical compatibility
Due to the various compositions and diversity of the commonly sold solvents and substances we cannot guarantee chemical compatibility.

The most durable materials, based on state of the art information are used for SCAT products. We pay particular attention to the requirements for working with aggressive liquids. Information about compatibility with specific substances is available from the manufacturer of your chemicals or from other expert sources.

We would be happy to consult with you as you select the suitable product for your application. However, the end user is responsible for the selection of the chemicals used. SCAT-Europe does not guarantee results and is neither obligated nor liable with regard to the use of these products in terms of their chemical compatibility.

Grounding and antistatic measures
Our products used for the safe grounding of containers and barrels are intended for connection to installations that are free of current and voltage, e.g. water pipelines or grounded components. Connections to electrically operated installation or live components (e.g. grounding connections for the power supply system or electrical equipment) may only be carried out by trained professionals! Please also comply with your company's internal safety guidelines.