THE No. 1 System
for Solvent Safety.

S·C·A·T®

NEW: Universal Waste Hub „Jan“

The clever All-in-One Solution
for Liquid Waste.





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Protection No. 20 2020 106 944
at the German Patent and Trade Mark Office

www.scat-europe.com



Collecting Liquid Waste safely: with a thought-through System!

Wherever liquid waste is collected, there are health, fire and environmental dangers.

When working with solvents and other harmful chemicals, it is therefore important to use the best and safest materials.

The S.C.A.T. System ensures, for more than 20 years now, reliable safety when working with dangerous substances. Continual innovation and further developments keep your work safety at a state-of-the-art level.

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NEW: A Multitalent!



The Universal Solution for Liquid Waste!

The new Universal Waste Hub "Jan" is not only equipped to deal with solvent waste from HPLC units, it is also able to handle other waste liquids, both safely and without smelling.

State-of -the-Art Safety and Environmental Protection

The integrated exhaust filter prevents the exit of damaging vapours and ensures for a safe pressure equalization within the container. With Fire Protection V-0 as per UL 94!

The All-in-One Solution for Liquid Waste in the Laboratory!

A complete spectrum of supply (24 components) is always available, for all eventualities and all connection possibilities.

DIN- / ISO- / ASTM-tested Material

The materials used are tested per official DIN / ISO / ASTM Standards, for optimum durability and safety, also w.r.t. aggressive chemicals.

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One Solution for all Functions!

Safe Filling

Collect liquid waste safely and cleanly!
The integrated and optimized dirt-sieve collects magnetic stirrers and other solids. It is removable, for cleaning purposes.



Draining of Containers

Simply place your laboratory bottles or other glassware on the dirt-sieve. Then you have more time for doing other things.



4 HPLC Connections

Always fits: the corresponding fittings for capillaries of outer diameter 1.6, 2.3 and 3.2 mm are contained within the scope of supply.



3 Tube Connectors

Do you have big tubes? No problem: the new tube connector 2.0 has a universal connection for tubes of inner diameter 5 to 11.5 mm.



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Clever Details for increased Safety!

✔ NEW: Improved Tab with Grip

Comfortable handling: easy, quick opening and closing with "click"-closure.

✔ NEW: Sealing Ring (PE-HD)

For complete sealing when the funnel is not in use.

✔ Dirt-Sieve (PE-HD)

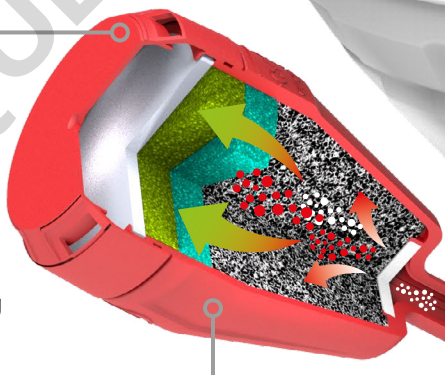
The dirt-sieve catches magnetic stirrers, as well as larger dirt particles. Laboratory bottles may easily be placed upon it, for rinsing purposes. The sieve can be removed for cleaning. The mesh size has been optimized and ensures for a swift throughflow of solvent.

✔ NEW: Funnel with a High Throughput (PE-HD)

For safe and easy disposal, also of larger quantities of solvent waste.

✔ Exhaust Filter 3.0 (Size M)

Solvent vapours are filtered: the active carbon from S.C.A.T. is optimized for use with organic solvents. For best pressure equalization, safety and environmental protection during the collection of liquid waste.
NEW: 3 Functional Layers.
More on page 7.





✔ Fire Protection (V-0)

Filter housing constructed of partially crystalline PP, certified according to Fire Protection Class V-0 as per UL-94.



✔ Various Thread Sizes

Suitable for different sizes/types of collecting container.

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Safe, flexible and comfortable!



NEW: Compact Constructional Form for good Stability!

Height and width are important for stability and comfort of use: so that even empty canisters/ bottles do not tip over, we have taken particular care that the design provides for a low centre of gravity and compact dimensions.

NEW: Stable Hinge

Double-screw hinge made of rust-free stainless steel: for high durability and stability.

NEW: 3 Tube Connectors (PP)

For more flexibility when connecting your tubing: the new tube connector is suitable for tubes with an inner diameter of 5 to 11.5 mm.



NEW: 4 HPLC Connections (PFA)

Always fits: fittings for capillaries of sizes 1.6, 2.3 and 3.2 mm, and for every connector, are within the scope of supply.



Satellite made of (virgin) PTFE

For optimum chemical resistance.



NEW: Stable Form Design

The new design ensures for high stability and length of life, and prevents any deforming of the funnel.

NEW: All Blind Plugs are included

Close up unused connections with the blind plugs supplied. For a safe, closed system without any leakage of vapours.

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No Chance given to Solvent Vapours!

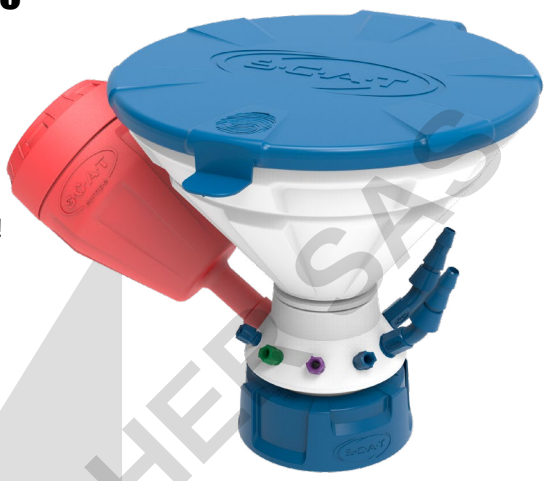
✔ NEW: The Exhaust Filter - Generation 3.0

✔ NEW: > 90% CTC-Adsorption

The ability to bind has been increased by 29%!

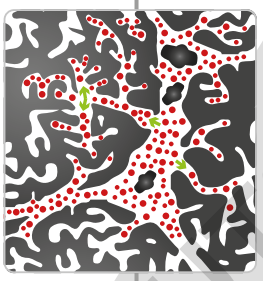
✔ NEW: 1,500 m²/g

The inner adsorption surface area has been increased by 25%!



S.C.A.T. Active Carbon

- Optimized for solvent vapour and VOCs (volatile organic compounds)
- Particle size and pore depths are suitable for the filtration of vapours
- Well-matched particle distribution
- Small adsorption zone
- High edge flow resistance



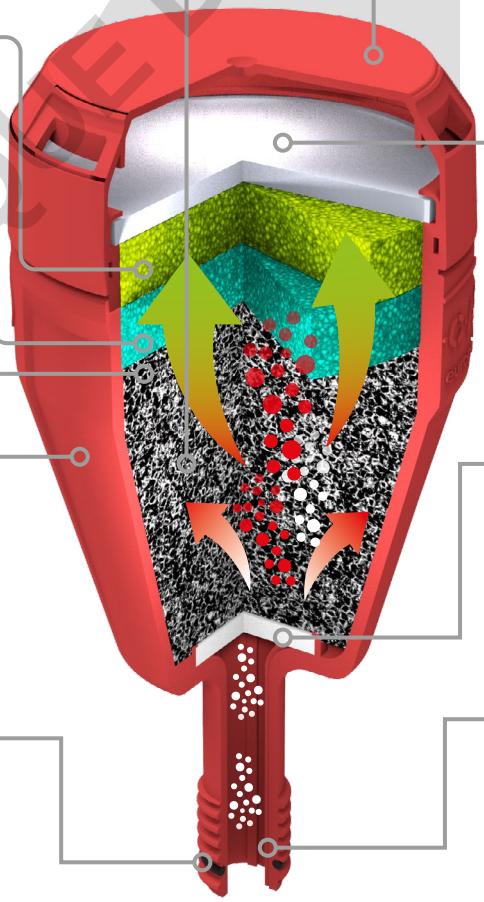
- **NEW: 3 Functional Layers!** For yet more safety, there are three different types of active carbon (layered), offering a broad spectrum of capabilities, as well as more functions, e.g. HPLC buffer solutions are now also bound:
- **3rd layer - binds acids**
- **2nd layer - binds alkalis**
- **1st layer - adsorbs solvent vapours**

Spray Protection

- Protects the exhaust filter from spilt liquids

PE Filter Membrane

- Stabilizes the active carbon
- Ensures for optimum air permeability on the top surface of the filter





Fire protection

- Filter housing constructed of partially crystalline PP, certified according to Fire Protection Class V-0 as per UL-94



PE Pre-Filter

- Ensures for optimum flow-characteristics of the solvent vapours
- Protects the active carbon

FKM Sealing

- For secure fixing of the exhaust filter
- Safe sealing vs. leaking vapours

GLarge Opening, with a stable Thread

- Optimum air throughflow
- GL 14 thread for stability and longevity, also with frequent filter exchange

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Comprehensive Scope of Supply



Universal Waste Hub "Jan"

- With safety funnel, lid and removable dirt-sieve
- 3 tube connectors (NPT 1/8")
- 4 HPLC connections (UNF 1/4" 28 G)
- 1 exhaust filter connection (GL 14)



3 Tube Connectors

- ⌀ 5 - 11.5 mm OD
- Thread NPT 1/8"
- For tube connectors
- Generation 2.0
- PP, blue



3 Blind Plugs

- Thread NPT 1/8"
- For tube connectors
- PTFE, white



4 Fittings

- ⌀ 3.2 mm ID
- Thread UNF 1/4"
- For HPLC connections
- PFA, blue



4 Fittings

- ⌀ 2.3 mm ID
- Thread UNF 1/4"
- For HPLC connections
- PFA, violet



4 Fittings

- ⌀ 1.6 mm ID
- Thread UNF 1/4"
- For HPLC connections
- PFA, green



4 Blind Plugs

- Thread UNF 1/4"
- For HPLC connections
- PFA, colourless



Exhaust Filter, Generation 3.0

- Size M (Lifetime: 6 months)
- With spray protection and change indicator
- Housing with Fire Protection V-0 as per UL-94
- Thread GL 14



1 Blind Plug

- Thread GL 14
- For exhaust filter connection
- With FKM sealing ring
- PTFE, white

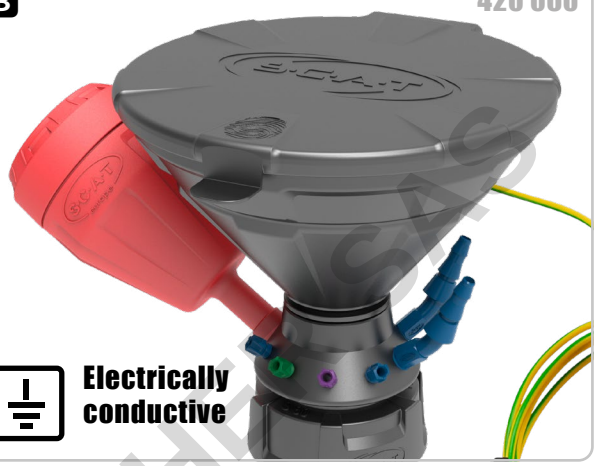
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Ordering Information

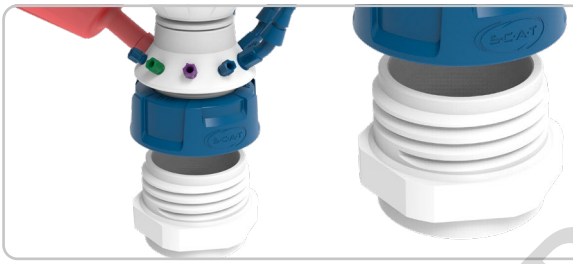
A 320 060



B 420 060



Electrically conductive



Information about "Delivery with Adapter":

The Universal Waste Hub is available for various container threads. In order to manufacture, both ecologically and economically, we can deliver some variants together with a thread adapter. Those for which this applies are indicated below, in the column "Delivery with Adapter".

Fig.	Part No.	Description	Container Thread	HPLC Connections ∅ 1.6 - 3.2 mm OD	Tube Connectors ∅ 5 - 11.5 mm ID	Electrically conductive	Delivery with Adapter
-	**320 045**	Universal Waste Hub „Jan“	**GL 45**	4	3	-	-
-	**420 045**	Universal Waste Hub "Jan"	**GL 45**	4	3	●	-
-	**320 050**	Universal Waste Hub „Jan“	**S 50**	4	3	-	●
-	**320 051**	Universal Waste Hub „Jan“	**S 51**	4	3	-	●
-	**320 053**	Universal Waste Hub „Jan“	**B 53**	4	3	-	●
-	**320 055**	Universal Waste Hub „Jan“	**S 55**	4	3	-	-
A	**320 060**	Universal Waste Hub „Jan“	**S 60 / 61**	4	3	-	-
B	**420 060**	Universal Waste Hub "Jan"	**S 60 / 61**	4	3	●	-
-	**320 063**	Universal Waste Hub „Jan“	**B 63**	4	3	-	●
-	**320 065**	Universal Waste Hub „Jan“	**S 65**	4	3	-	●
-	**320 070**	Universal Waste Hub „Jan“	**S 70 / 71**	4	3	-	●
-	**320 083**	Universal Waste Hub „Jan“	**B 83**	4	3	-	●
-	**320 090**	Universal Waste Hub „Jan“	**S 90**	4	3	-	●
-	**320 095**	Universal Waste Hub „Jan“	**S 95**	4	3	-	●

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Suitable Containers



Fig.	Part No.	Description	Thread	Volume	Material	Electrically conductive	Dimensions (W x H x D)	Certi-fication
A	**107 951**	Canister	**GL 45**	5 litres	PE-HD	-	150 x 250 x 195 mm	UN-Y
-	**107 952**	Canister	**GL 45**	10 litres	PE-HD	-	190 x 305 x 230 mm	UN-Y
B	**107 998**	Space-saving Canister	**S 50**	5 litres	PP	-	65 x 335 x 330 mm	-
-	**108 317**	Space-saving Canister	**S 50**	5 litres	PE-HD-el	●	65 x 335 x 335 mm	-
C	**107 958**	Canister	**S 51**	5 litres	PE-HD	-	145 x 250 x 190 mm	UN-X
D	**107 711**	Round Canister	**B 53**	2 litres	PE-HD	-	119 x 260 x 119 mm	-
E	**107 957**	Canister	**S 55**	5 litres	PE-HD	-	160 x 230 x 185 mm	UN-Y
-	**107 955**	Canister	**S 55**	10 litres	PE-HD	-	185 x 305 x 225 mm	UN-Y
-	**108 227**	Canister	**S 60 / 61**	5 litres	PE-HD	-	164 x 235 x 185 mm	UN-X
F	**108 042**	Canister	**S 60 / 61**	10 litres	PE-HD-el	●	185 x 265 x 290 mm	-
G	**107 731**	Canister	**S 60 / 61**	12 litres	PE-HD	-	200 x 350 x 235 mm	UN-X
-	**107 709**	Flat Canister	**B 63**	8 litres	PP	-	375 x 165 x 305 mm	-
H	**107 704**	Round Canister	**S 65**	10 litres	PE-HD	-	205 x 430 x 205 mm	-
I	**107 713**	Flat Canister	**S 70 / 71**	20 litres	PE-HD	-	283 x 292 x 376 mm	UN-Y
J	**107 706**	Round Canister	**B 83**	10 litres	PP	-	250 x 390 x 250 mm	-
K	**108 020**	Canister	**S 90**	10 litres	PE-HD	-	195 x 380 x 195 mm	UN-Y
L	**107 707**	Canister	**S 95**	5 litres	PE-HD	-	170 x 310 x 170 mm	UN-Y

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Spare Parts and Ancillaries for ordering later on

A 107 063



Fittings
Ø 3.2 mm ID
UNF 1/4" 28 G
For HPLC connections
PFA, blue
Sales unit = 5 pieces

B 107 059



Fittings
Ø 2.3 mm ID
UNF 1/4" 28 G
For HPLC connections
PFA, violet
Sales unit = 5 pieces

C 107 061



Fittings
Ø 1.6 mm ID
UNF 1/4" 28 G
For HPLC connections
PFA, green
Sales unit = 5 pieces

D 117 808



Tube connector
Ø 5 - 11.5 mm OD
Thread NPT 1/8"
For tube connections
PP, blue
Sales unit = 1 piece

E 160 502



Blind Plugs
Thread UNF 1/4" 28 G
For HPLC connections
PFA, colourless
Sales unit = 5 pieces

F 160 506



Blind Plug
Thread NPT 1/8"
For tube connections
PTFE, white
Sales unit = 1 piece

G 107 620



Blind Plug
Thread GL 14
For exhaust filter connections
PTFE, white
Sales unit = 1 piece

H 490 335



Exhaust Filters
Size S
Stock pack
Lifetime: 3 months ea.
With change indicator
Thread GL 14
Sales unit = 4 pieces

I 490 336



Exhaust Filters
Size M
Stock pack
Lifetime: 6 months ea.
With change indicator
Thread GL 14
Sales unit = 2 pieces

J 407 986



Exhaust Filter
Size L
Lifetime: 12 months
With change indicator
Thread GL 14
Sales unit = 1 piece

Fig.	Part No.	Description	Material	Thread	Sales Unit
A	107 063	Fittings Ø 3.2 mm ID, for HPLC connections	PFA, blue	UNF 1/4" 28 G	5
B	107 059	Fittings Ø 2.3 mm ID, for HPLC connections	PFA, violet	UNF 1/4" 28 G	5
C	107 061	Fittings Ø 1.6 mm ID, for HPLC connections	PFA, green	UNF 1/4" 28 G	5
D	117 808	Tube connector Ø 5 - 11.5 mm OD, for HPLC connections	PP, blue	NPT 1/8"	1
E	160 502	Blind plugs for HPLC connections	PFA, colourless	UNF 1/4" 28 G	5
F	160 506	Blind plug for tube connections	PTFE, white	NPT 1/8"	1
G	107 620	Blind plug for exhaust filter connections	PTFE, white	GL 14	1
H	490 335	Exhaust filters, Size S, Stock pack (Lifetime: 3 months ea.)	PP (V-0 / UL94)	GL 14	4
I	490 336	Exhaust filters, Size M, Stock pack (Lifetime: 6 months ea.)	PP (V-0 / UL94)	GL 14	2
J	407 986	Exhaust filter, Size L, (Lifetime: 12 months)	PP (V-0 / UL94)	GL 14	1

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