



**THE No. 1 System  
for Solvent Safety**

# **Exhaust Filter V3.0**

## **Three Types of Active Carbon for more Safety**

The most powerful filter medium in the HPLC laboratory!



[www.scatt-europe.com](http://www.scatt-europe.com)

# Three Types of Active Carbon for more Safety!

## ✓ 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:

3<sup>rd</sup> layer - binds acids

2<sup>nd</sup> layer - binds alkalis

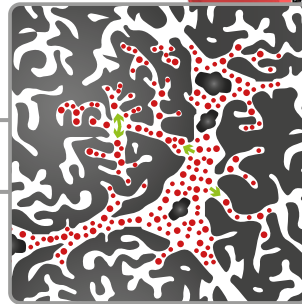
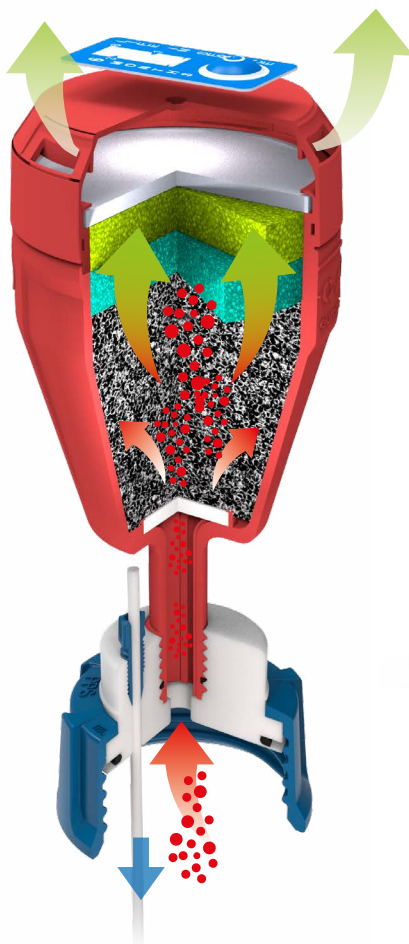
1<sup>st</sup> layer - adsorbs solvent vapours

## ✓ > 90% CTC-Adsorption

The ability to bind has been increased by 20%!

## ✓ 1,500 m<sup>2</sup>/g

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



SCAT exhaust filters block off harmful vapours and ensure for safe pressure equalization in the waste containers of HPLC systems. Our core active carbon has been optimized for taking up organic solvent vapours and **has been tested, using official ASTM/DIN/ISO test methods.**



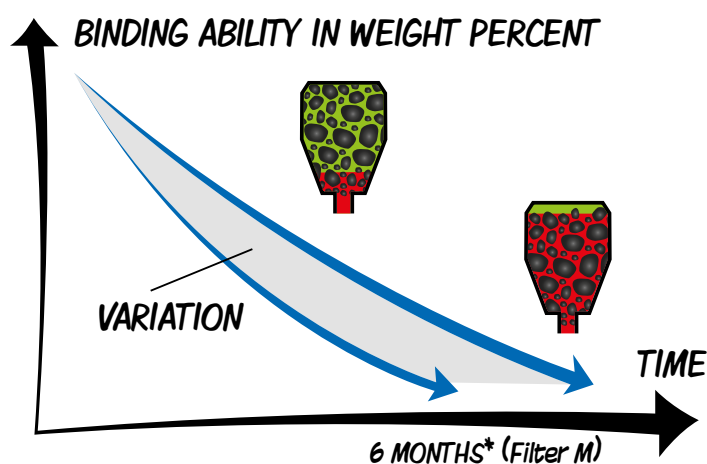
		Test Method
Ball-Pan Hardness (weight percent)	96 %	ASTM D 3802
Inner Surface Area	1,500 m <sup>2</sup> /g	DIN ISO 9277
Shake Density	415 ± 30 kg/m <sup>3</sup>	ASTM D 2854
CTC-Adsorption (weight percent)	> 90 %	ASTM D 3467
Granulate Diameter	1.4 - 3 mm	ASTM D 2862
Ash Content (weight percent)	max. 5 %	ASTM D 2866
Water Content (weight percent)	max. 5 %	ASTM D 2867

# Information for Ordering



## Filter used up? - exchange regularly!

The exhaust filter has been optimized for the binding of eluents, as typically used in HPLC. The lifetime of the filter is dependent - upon other things - on the composition of the collected waste, the temperature and the flowrate. These factors can vary significantly from customer to customer, and are also dependent upon the particular application involved. So that you are always on the safe side, we recommend an exchange every 3 (Filter S); 6 (Filter M); 12 (Filter L) months\*, for optimum protection.



\*Operational lifetime with typical HPLC flowrates of 1.5 - 4.0 ml per minute.

## Exchange Label ("Time Strip")

Activate it by pressing a button!



## 1 Year's Safety - with a Price Advantage!

**A** 490 335

**Operational Lifetime**  
**12 MONTHS**

Filter-Size S

**B** 490 336

**You save 28%\*\***

**Operational Lifetime**  
**12 MONTHS**

Filter-Size M

**C** 407 986

**You save 35%\*\***

**Operational Lifetime**  
**12 MONTHS**

Filter-Size L

Fig.	Part No.	Description	Lifetime	PU
-	410 534	Exhaust Filter S, V3.0, with splash guard and change indicator	3 months	1
<b>A</b>	490 335	Exhaust Filter S, V3.0, economy pack., with splash guard and change indicator	4x 3 months	4
-	410 535	Exhaust Filter M, V3.0, with splash guard and change indicator	6 months	1
<b>B</b>	490 336	Exhaust Filter M, V3.0, economy pack., with splash guard and change indicator	2x 6 months	2
<b>C</b>	407 986	Exhaust Filter L, V3.0, with splash guard and change indicator	12 months	1
-	490 986	Exhaust Filter L, V3.0, economy pack., with splash guard and change indicator	2x 12 months	2





## SCAT - Europe GmbH

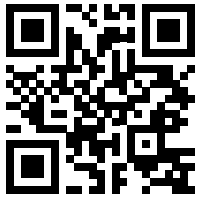
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