

# HPLC Safety Set 2.0



- ✓ Safety for solvent supply and waste
- ✓ Fits every HPLC / UHPLC system
- ✓ Including solvent bottles and waste container
- ✓ Blocks solvent vapours
- ✓ Protects your system from contamination
- ✓ Keeps solvent mixtures stable

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



**THE System  
for Solvent Safety**

# Dangerous



Escaping solvent vapours

Health hazards

Fire hazards

Contamination of solvents

Process interruptions

Falsification of analytical results

# Safe

Organic solvents are toxic and flammable. Vapours can escape even through smallest gaps.

The S.C.A.T. System connects tubing safely and blocks hazardous vapours. Air valves and exhaust filters provide safe pressure equalisation without under- or overpressure in solvent bottles and waste containers.

All components are made of high performance materials with excellent chemical resistance.

Solvent vapours stay locked

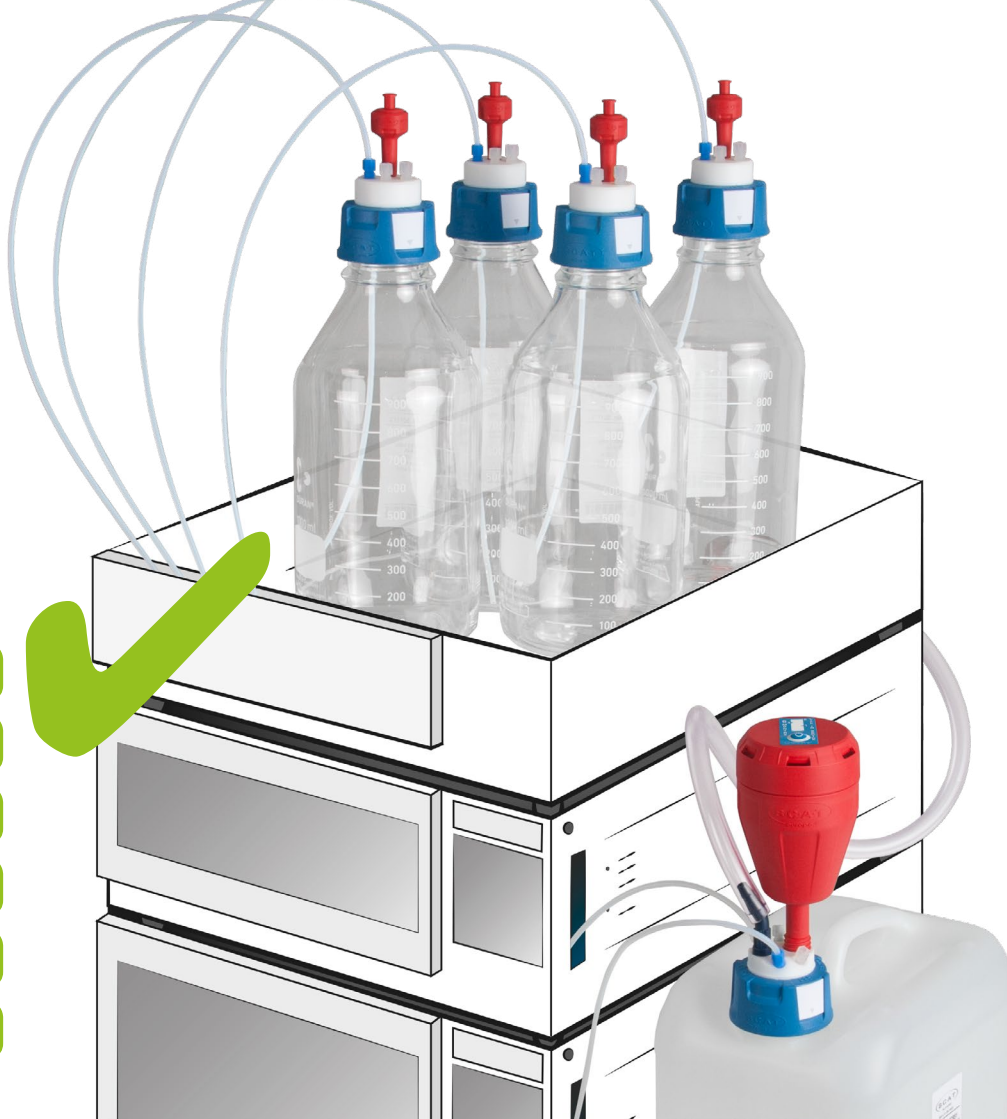
Health and environment protection

Fire protection according to UL-94

Solvents stay clean and stable

Trouble-free operation

Reliable, reproducible analytical results



# Safe Solvent Supply

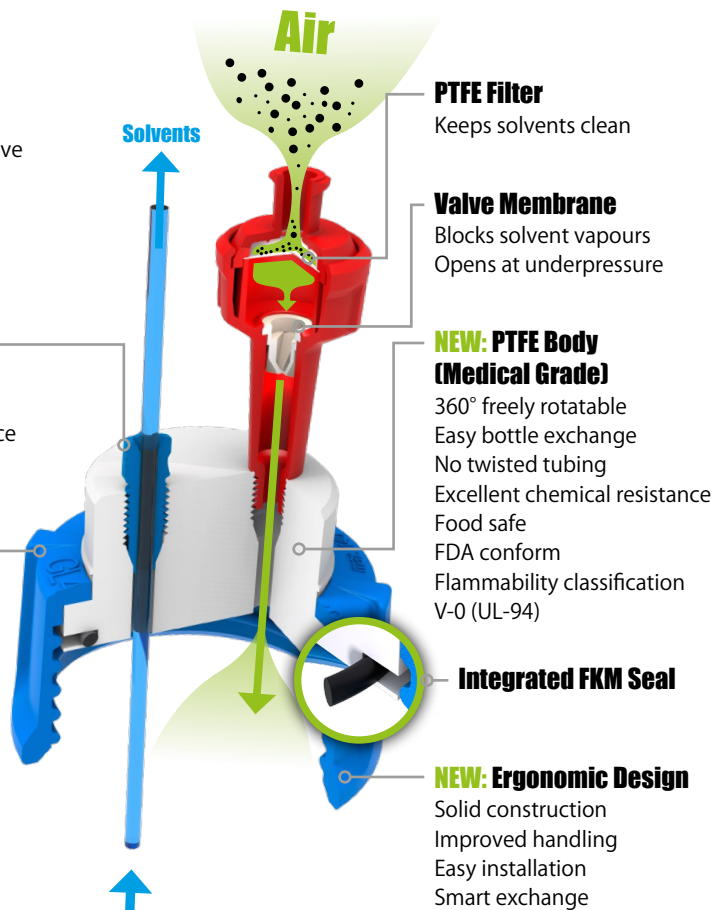


**NEW: Air Valve with Luer-Lock Adapter**  
For analytical and preparative applications

**NEW: Insertion Label**  
For individual inscription

**NEW: PFA Fittings**  
Improved design  
Fixed tubing connection  
Excellent chemical resistance  
Flammability classification V-0 (UL-94)

**NEW: PPS Screw Cap**  
Autoclavable / sterilisable up to 200 °C  
Flammability classification V-0 (UL-94)



**PTFE Filter**  
Keeps solvents clean

**Valve Membrane**  
Blocks solvent vapours  
Opens at underpressure

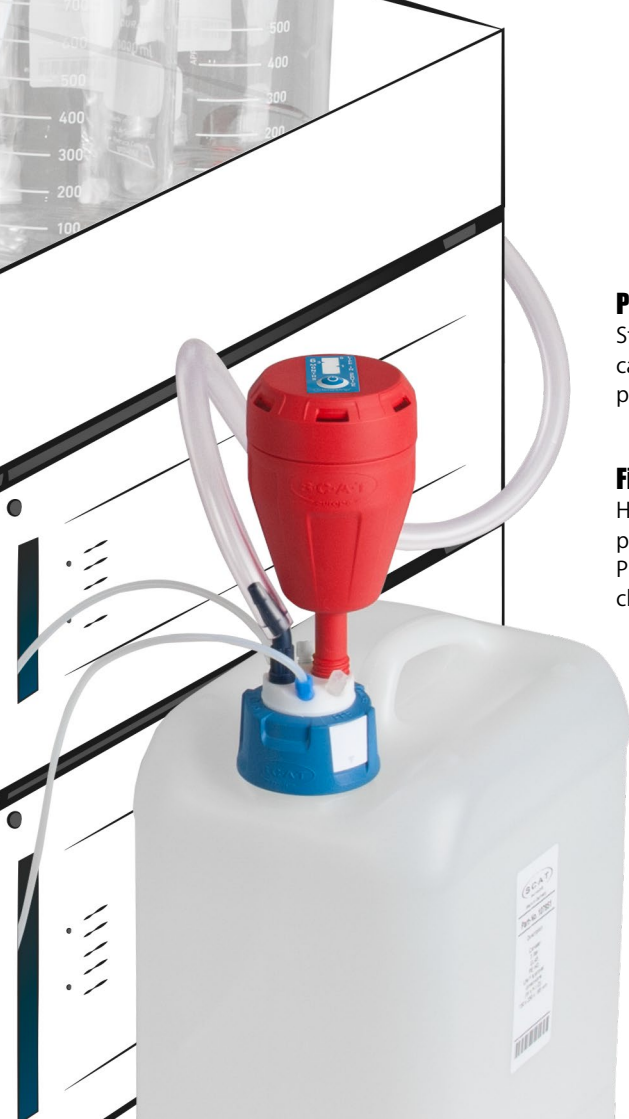
**NEW: PTFE Body (Medical Grade)**  
360° freely rotatable  
Easy bottle exchange  
No twisted tubing  
Excellent chemical resistance  
Food safe  
FDA conform  
Flammability classification V-0 (UL-94)

**Integrated FKM Seal**

**NEW: Ergonomic Design**  
Solid construction  
Improved handling  
Easy installation  
Smart exchange



# Safe Liquid Waste Collection



## PE Filter Membrane

Stabilises the active carbon and provides proper air permeability

## Fire Protection

Housing made of partially crystalline PP with flammability classification V-0 (UL-94)

Filtered exhaust air

## S.C.A.T. Active Carbon

1.200 m<sup>2</sup>/g active filter surface, optimised for solvent vapours and VOCs (volatile organic compounds)

## PE Pre-Filter

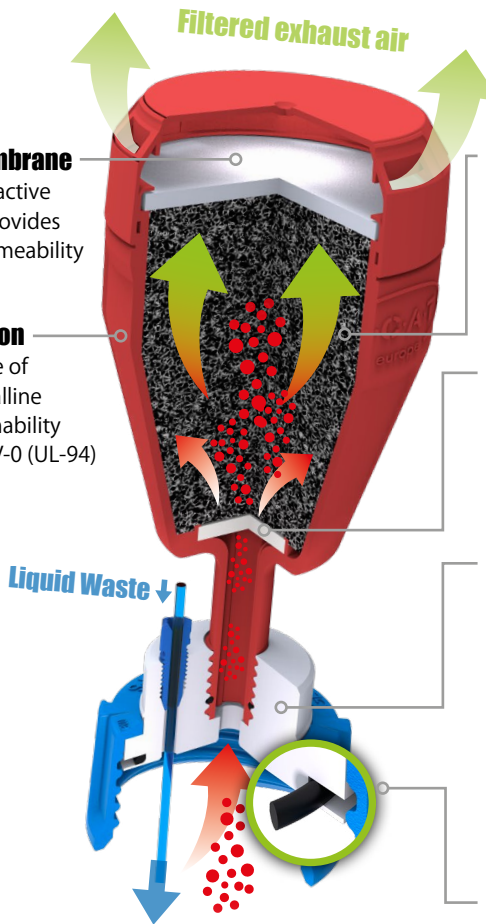
Protects the active carbon and provides optimal flow conditions for solvent vapours

## NEW: PTFE Body (Medical Grade)

360° freely rotatable  
Easy bottle exchange  
No twisted tubing  
Excellent chemical resistance  
Food safe  
FDA conform  
Flammability classification V-0 (UL-94)

## Integrated FKM Seal

Liquid Waste ↓



# HPLC Safety Set 2.0



## Contents

**501 113**

**Solvent bottle**  
1 Litre  
Thread GL 45  
Clear glass



**4x**

**107 951**

**Waste container**  
5 Litres  
Thread GL 45  
PE-HD



**160 501**

**Blind plug** for  
tubing connection  
Unit = 10



*HPLC system and tubing are  
not included in delivery.*

**307 910**

**SafetyCap III  
Thread GL 45**

3 connections for  
Ø 1.6 - 3.2 mm  
OD tubing

**4x**



**317 010**

**Air valve**  
for SafetyCaps

**Included in  
SafetyCap  
no. 307 910**



**Delivery Information**

The air valve (317 010) and tube connector (117 808) are part of the caps and included in delivery. If you wish to re-order these components separately, please use the part numbers specified here.

**117 816**

**Tube connector**

Straight, for  
6 - 8 mm ID  
waste tubing

**2x**



**308 921**

**SafetyWasteCap**

Thread GL 45  
4 connections for  
1.6 - 3.2 mm  
OD tubing,  
1 connection  
for 6.4 - 9 mm  
ID tubing



**117 808**

**Tube connector**

Curved, for 6.4 - 9 mm  
ID waste tubing

**Included in  
SafetyWasteCap  
no. 308 921**



**310 535**

**Exhaust filter**

Size M  
Service life:  
6 months



**107 810**



**Tube connector**  
Angled, for  
9.5 - 10 mm ID  
waste tubing

**107 061**

**Fitting**

for Ø 1.6 mm  
OD tubing  
Green  
Unit = 5



**107 059**

**Fitting**

for Ø 2.3 mm  
OD tubing  
Violet  
Unit = 5



**107 063**

**Fitting**

for Ø 3.2 mm  
OD tubing  
Blue  
Unit = 5



**2x**

**160 506**

**Blind plug for tube  
connector**

6.35 mm OD  
White  
Unit = 1





#200135 / 15072020 / 2

**THE System**  
for Solvent Safety

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