

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

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**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

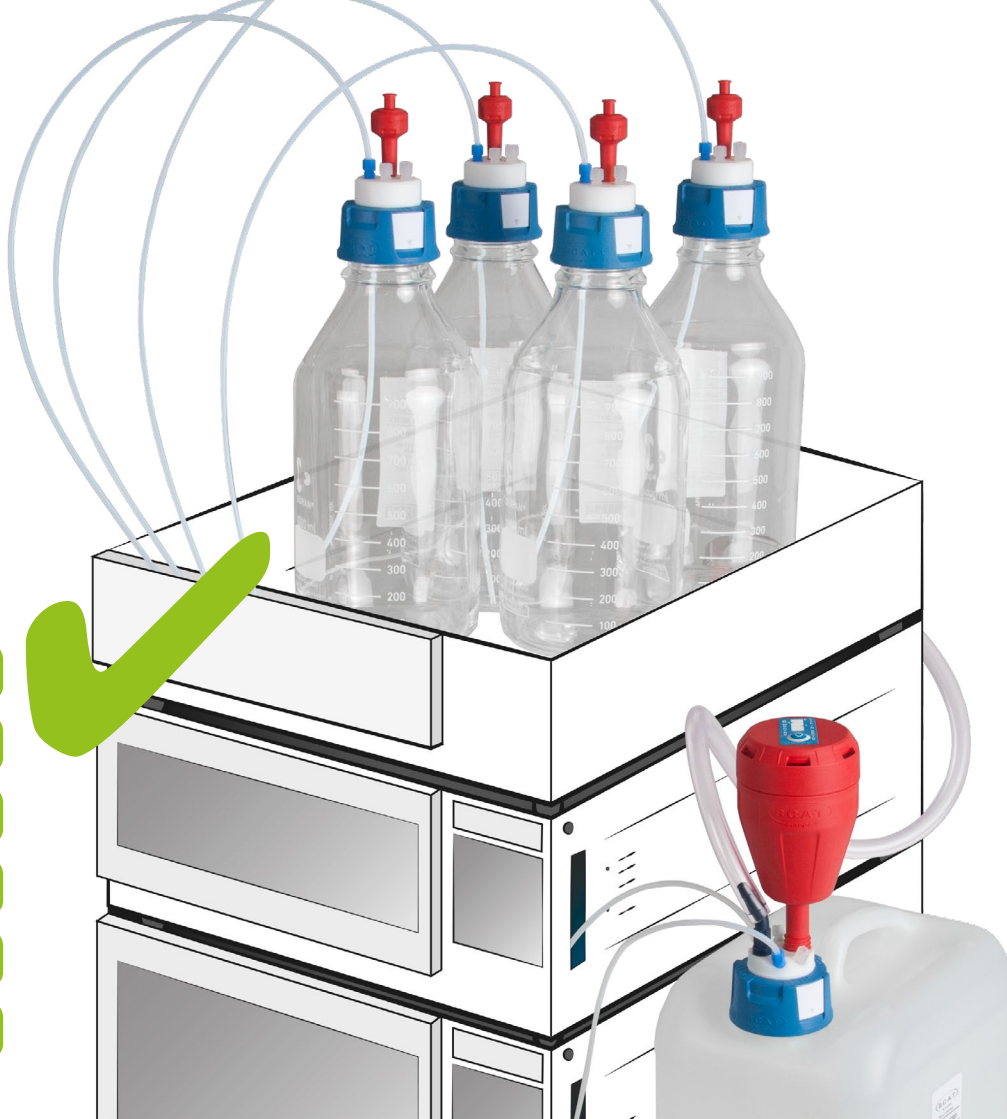
Health and environment protection

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

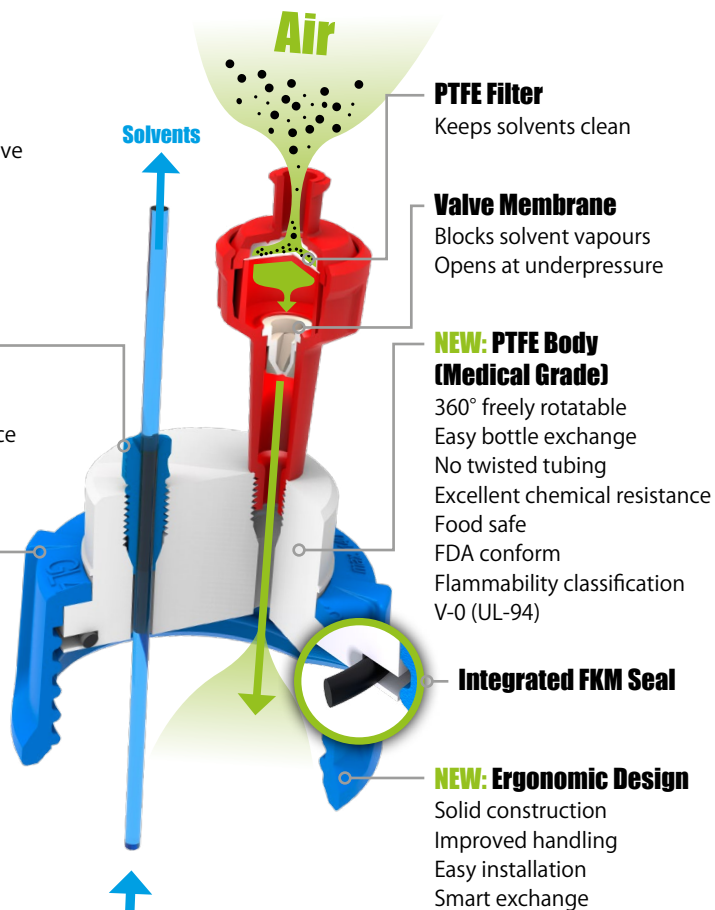
For individual inscription

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 m²/g active filter surface, optimised for solvent vapours and VOCs (volatile organic compounds)

PE Pre-Filter

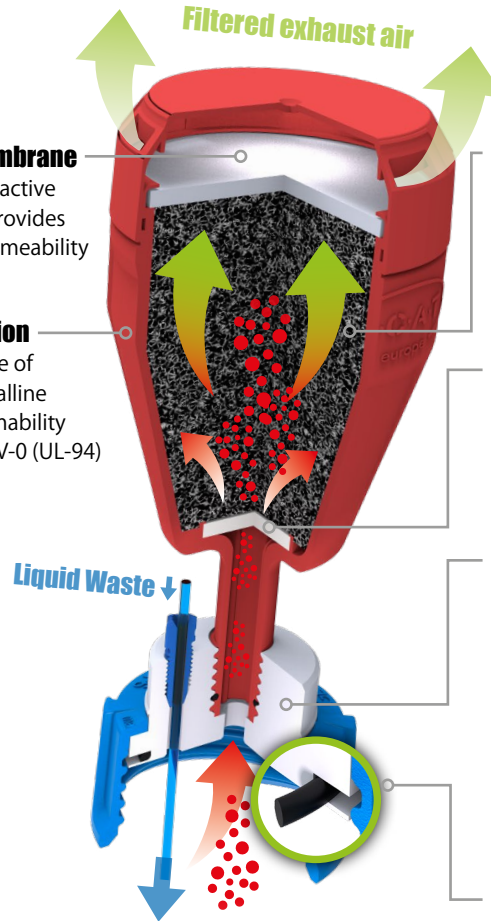
Protects the active carbon and provides optimal flow conditions for solvent vapours

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

