SymLine®
Chemical Waste Systems

Level Control

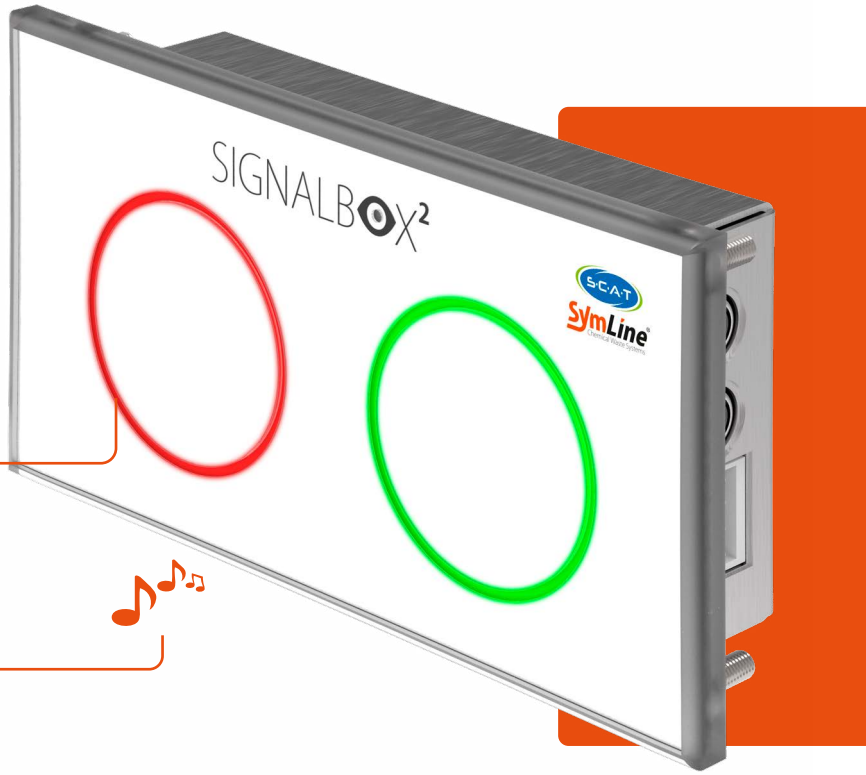
Always Up-To-Date.

- ✔ Reliable control
- ✔ Automatic switching
- ✔ Optical & acoustic signal

a brand of S·C·A·T®

Function of the Built-in Signalbox.

LEDs & acoustic buzzer warn you in good time before the filling level of your collection containers reaches the critical level. The alarm can be muted via the touch control panel while the container is being changed. Pumps or other external devices can be conveniently controlled via the integrated interface.



Optical signal.

Depending on the fill level, the LEDs light up with different colors to show this visually.

Acoustic signal.

An acoustic signal sounds when the desired maximum level is reached.

The Signalbox.

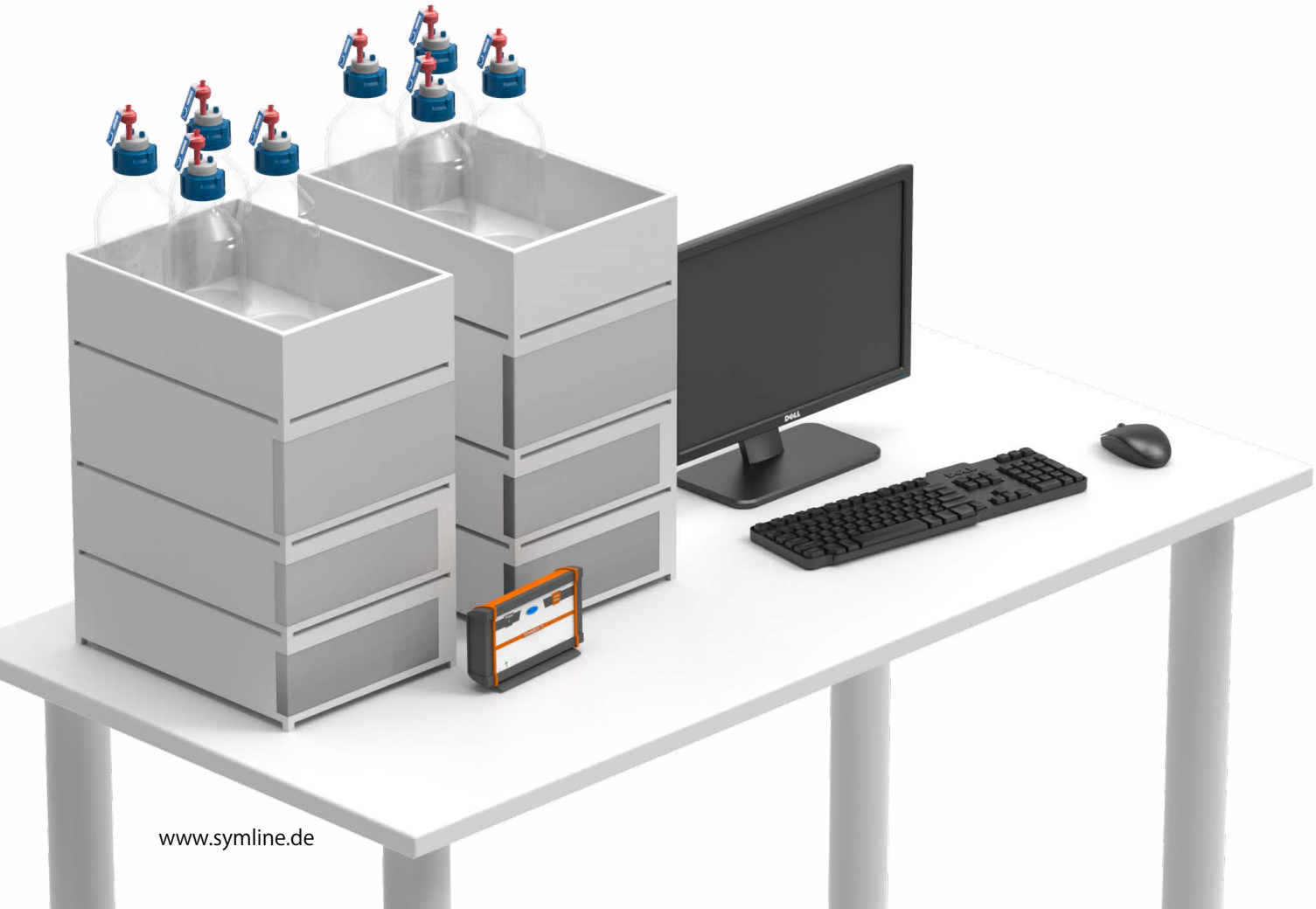
Optical and acoustic warning when the critical filling level is reached: This means that containers can no longer overflow unnoticed. Compatible with all SCAT level sensors.

Optical signal.

Depending on the fill level, the LEDs light up with different colors to show this visually.

Acoustic signal.

An acoustic signal sounds when the desired maximum level is reached.

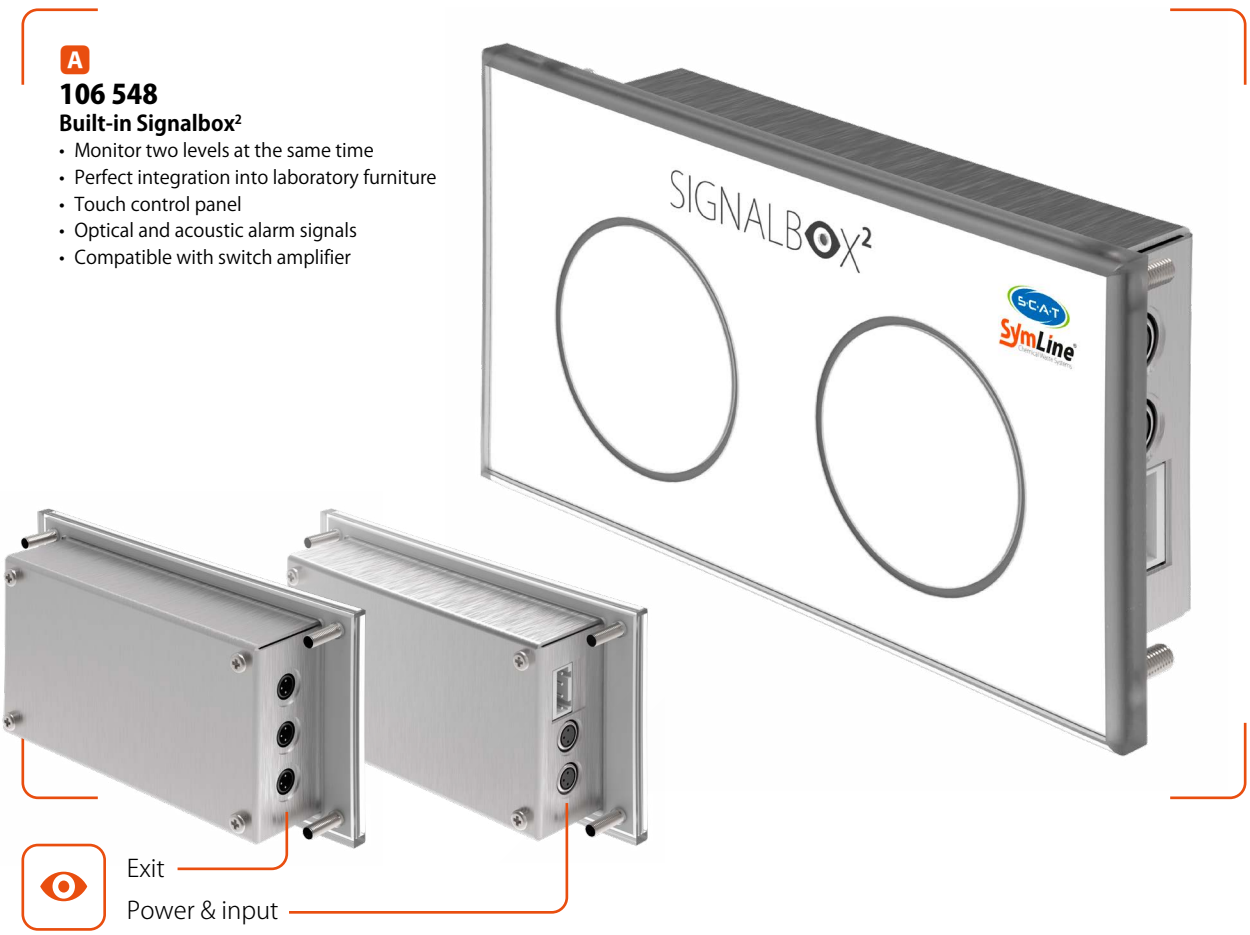


A

106 548

Built-in Signalbox²

- Monitor two levels at the same time
- Perfect integration into laboratory furniture
- Touch control panel
- Optical and acoustic alarm signals
- Compatible with switch amplifier



B

108 050

Signal cable

- Length 3 m

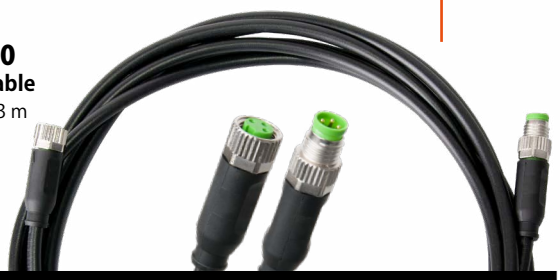


Fig.	Part No.	Description
A	106 548	Built-in Signalbox² (EU)
	106 582	Built-in Signalbox² (UK)
	106 583	Built-in Signalbox² (US)
	108 304	Signal cable 1.5 m
B	108 050	Signal cable 3 m
	108 037	Signal cable 5 m
	108 038	Signal cable 10 m

A

108 087

Signalbox T1

- Monitoring 1 fill level
- With stand
- Optical and acoustic alarm signals
- Compatible with switch amplifier

SCAT SymLine Chemical Waste Systems

Standard equipment for all signal boxes: integrated interface for external devices.

B

108 088

Signalbox T5

- Monitoring of 5 levels
- With stand
- Optical and acoustic alarm signals
- Compatible with switch amplifier

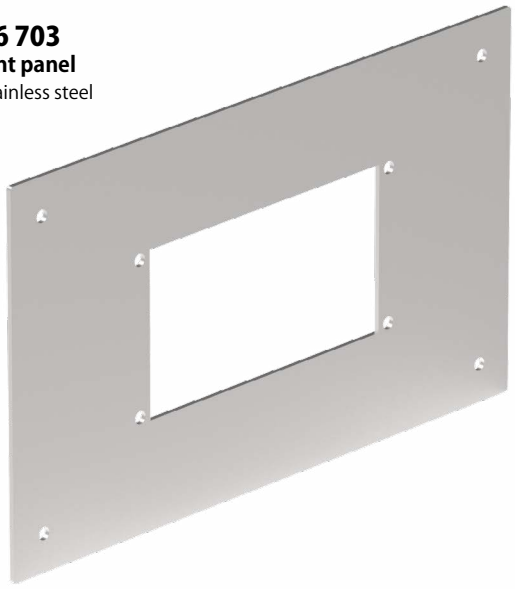
Abb.	Part No.	Description
A	108 087	Signalbox T1 - EU
	108 122	Signalbox T1 - UK
	108 119	Signalbox T1 - USA
B	108 088	Signalbox T5 - EU
	108 124	Signalbox T5 - UK
	108 121	Signalbox T5 - USA

A

106 658
Mount for
Built-in Signalbox
- Stainless steel

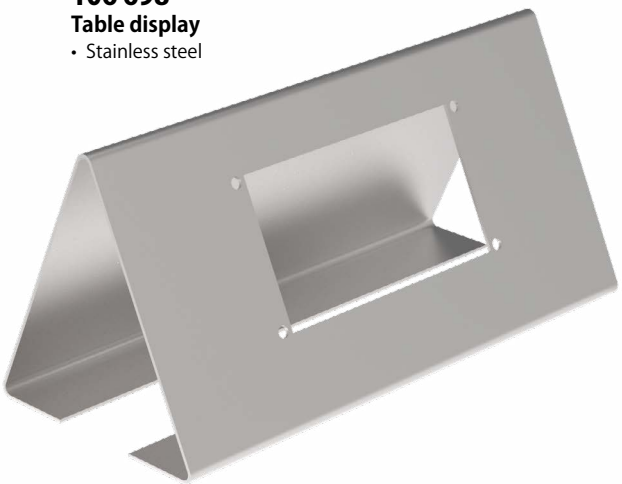
B

106 703
Front panel
- Stainless steel



C

106 698
Table display
- Stainless steel



D

106 580
Mount for
3-way ball valve
- Stainless steel

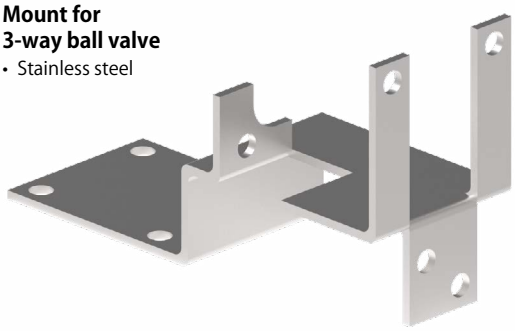
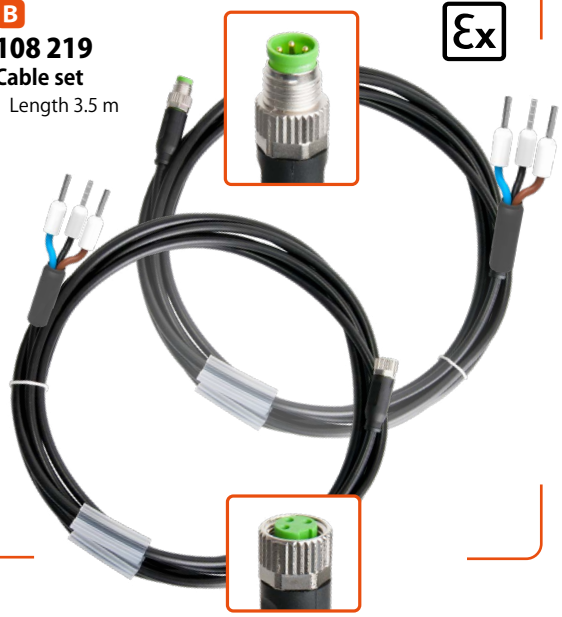


Fig.	Part No.	Description
A	106 658	Mount for Built-in Signalbox², stainless steel brushed, wall thickness: 2 mm
B	106 703	Front panel for Built-in Signalbox², material: V4A, wall thickness: 2 mm
C	106 698	Table display for Built-in Signalbox², stainless steel brushed, wall thickness: 2 mm
D	106 580	Mount for, 3-way ball valve, stainless steel (1.4301)

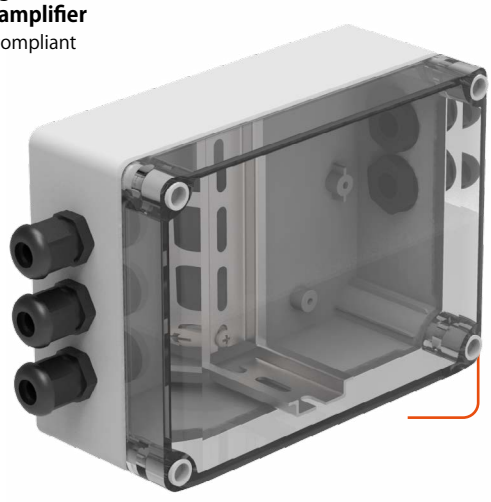
A
108 278
Switch amplifier
- ATEX compliant

B
108 219
Cable set
- Length 3.5 m



According to the ATEX guidelines, Ex-sensors for use in potentially explosive areas (Ex-zones) must be protected with an isolating switch amplifier. Signal boxes and isolating amplifiers must be located outside the Ex-zone.

C
106 590
Housing for switch amplifier
- ATEX compliant



D SET
106 678
Module signal set

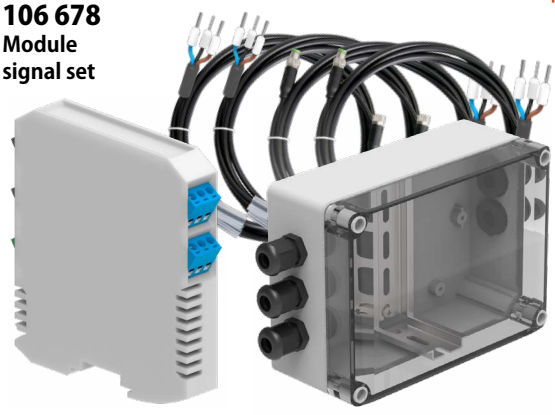


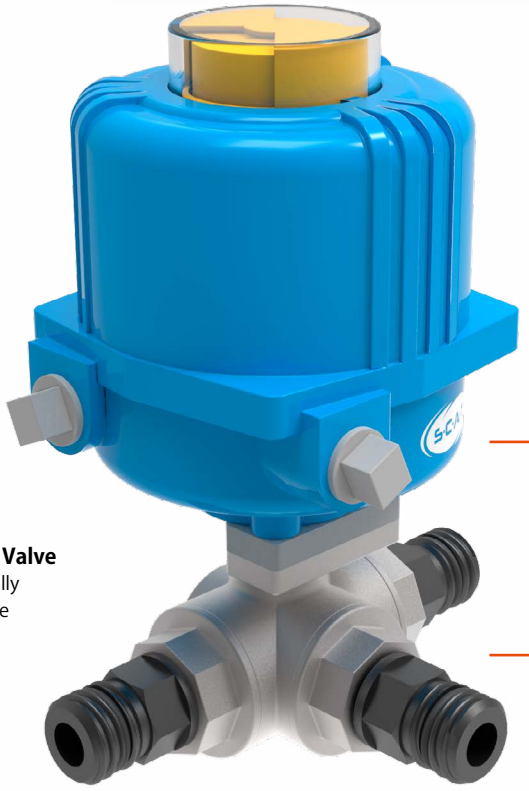
Fig.	Part No.	Description
A	108 278	Switch amplifier
B	108 219	Cable set for connecting the isolating amplifier and the Built-in Signalbox² 3.5 m
C	106 590	Housing for switch amplifier
D	106 678	Module signal set consisting of 1x A, 2x B and 1x C

A

107 000

Electronic Switchbox

- For Built-in Signalbox²
- For Signalbox T1 / T5



B

160 178

3-Way Ball Valve

- Electronically controllable

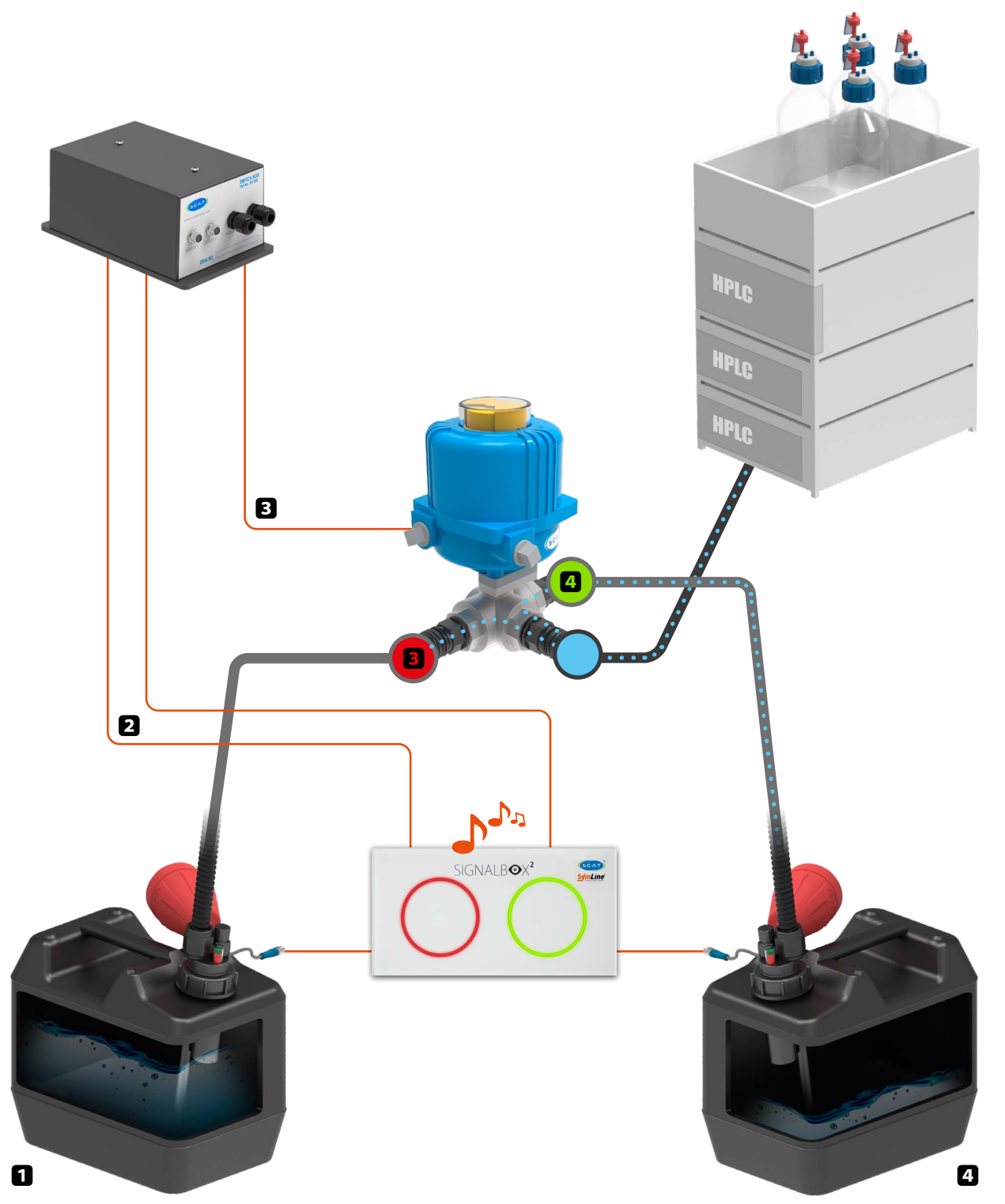
Automatically diverting waste liquid in the reserve canister.

Disposal can take place over the weekend, for example, without the user having to empty or change containers in the meantime.

S·C·A·T SymLine® Chemical Waste Systems

Switchbox compatible with all electronic SCAT Europe® and SymLine® level sensors as well as the Signalbox T5 and Built-in Signalbox²

Fig.	Part No.	Description
A	107 000	Electronic switchbox
B	160 178	3-Way Ball Valve, electronically controllable
	106 580	Mount, 3-Way Ball Valve, stainless steel (1.4301)



1 Container full
The Safety Waste Cap with electronic filling level control sends a signal to the connected signal box.

2 Signalbox
The electronic signal box sends the signal to the connected switch box.

3 Switchbox
The switch box controls the connected 3-way ball valve.

4 Detour
The 3-way ball valve closes the flow of waste liquid into the full container and diverts the liquid into the connected reserve canister.

A

502 042

Continuous level control

- Sensor
- Signalbox
- Integrated isolation switch amplifier

B

106 507

Safety Waste Cap S60

- Material: PTFE-EL

Measure filling levels permanently

- Automatic warning for 5 different levels freely selectable
- Accuracy up to ±0.5mm
- The signal box offers 4 freely configurable outputs for controlling external devices
- The compact design and the independent mains supply enable easy handling and installation, even outside of control cabinets

Fig.	Part No.	Description	Material
A	502 042	Continuous level control, sensor and controlbox	
B	106 507	Safety Waste Cap S60 - especially for continuous level control	PTFE-EL

A
108 178
Rod sensor
- For canisters

Rod sensor and canister with sensor sleeve

- Level control
- Removable sleeve for easy maintenance and cleaning
- Canister made of PE-HD, electrostatic conductive

According to the ATEX guidelines, Ex-sensors must be approved for use in potentially explosive areas (Ex-zone) can be secured with an isolating switch amplifier.

B
108 042-S1
S60 canister
- 10 liters
- Material: PE-HD-EL

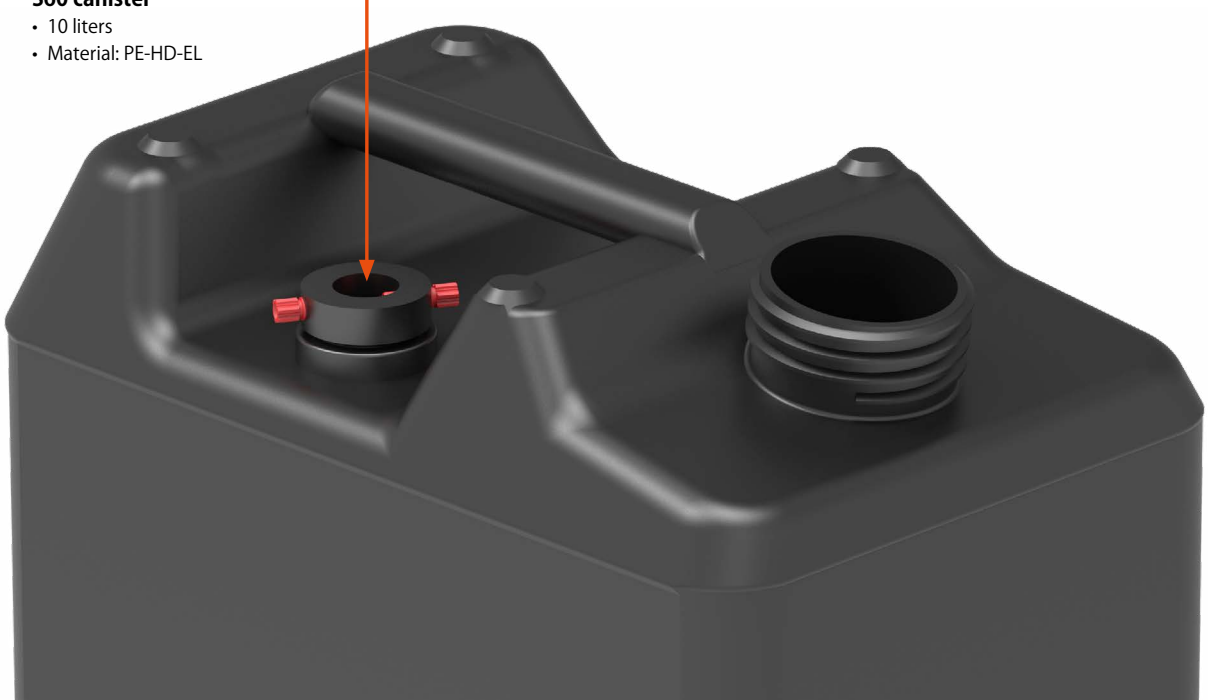


Fig.	Part No.	Description	Material
A	108 178	Rod sensor for canister 108 042-S1	
B	108 042-S1	S60 canister, 10 liters, conductive with integrated sensor holder for sensor 108 178	PE-HD-EL
	108 278	Switch amplifier	