



Level Control

for safe monitoring of fluid levels
- mechanically and electronically



Level control - mechanical



Safe level monitoring - space-saving and without electronics

The red level floater indicates the critical fluid level - mechanically, without electronics - for solid safety. The tubing ports are available for multiple tubing sizes.

Part No.	Cap	Tubing Ports	Suitable Containers
107960	S 55	3 ports for 2.3/3.2mm OD tubing	See page 46
107963	S 55	2 ports for 2.3/3.2mm OD tubing 1 leak port for 6-8mm ID tubing	See page 46
107961	S 60 / 61	3 ports for 2.3/3.2mm OD tubing	See page 46
107964	S 60 / 61	2 ports for 2.3/3.2mm OD tubing 1 leak port for 6-8mm ID tubing	See page 46
107968	S 65	4 ports for 2.3/3.2mm OD tubing	See page 47
107969	S 65	4 ports for 2.3/3.2mm OD tubing 1 leak port for 6-8mm ID tubing	See page 47
107962	S 70 / 71	3 ports for 2.3/3.2mm OD tubing	See page 47
107965	S 70 / 71	2 ports for 2.3/3.2mm OD tubing 1 leak port for 6-8mm ID tubing	See page 47
108155	B 83	4 ports for 2.3/3.2mm OD tubing	See page 47
108156	B 83	4 ports for 2.3/3.2mm OD tubing 1 leak port for 6-8mm ID tubing	See page 47
107966	S 90	4 ports for 2.3/3.2mm OD tubing	See page 48
107967	S 90	4 ports for 2.3/3.2mm OD tubing 1 leak port for 6-8mm ID tubing	See page 48





Level control - mechanical, with safety funnel



Safe disposal of waste fluids - manually operated and through tubing

This cap additionally offers a manually operated safety funnel which is solely opened when disposing waste fluids. When releasing the opening mechanism, the container closes automatically.



Please order your **Exhaust Filters** separately (see page 20) !

Part No.	Cap	Tubing Ports	Suitable Containers
108134	S 60 / 61	2 ports for 2.3/3.2mm OD tubing	See page 46
108138	S 60 / 61	2 ports for 2.3/3.2mm OD tubing 1 leak port for 6-8mm ID	See page 46
108135	S 65	4 ports for 2.3/3.2mm OD tubing	See page 47
108133	S 65	3 ports for 2.3/3.2mm OD tubing 1 leak port for 6-8mm ID	See page 47
108136	S 70 / 71	4 ports for 2.3/3.2mm OD tubing	See page 47
108139	S 70 / 71	4 ports for 2.3/3.2mm OD tubing 1 leak port for 6-8mm ID	See page 47
108137	S 90	4 ports for 2.3/3.2mm OD tubing	See page 48
108140	S 90	4 ports for 2.3/3.2mm OD tubing 1 leak port for 6-8mm ID	See page 48



Also available with electronic level monitoring (signal box with beeper and LED).



With level floater and safety funnel

Level control - electronic

Electronic level monitoring

- safe and comfortable

Watch fluid levels safely - even across distances of 200 meters. Critical levels are indicated by the level floater on the cap as well as by the signal box (beeper and LED).



With level floater and electronic sensor !

Part No.	Cap	Tubing Ports	Suitable Containers
108200	S 55	3 ports for 2.3/3.2mm OD tubing	See page 46
108201	S 55	2 ports for 2.3/3.2mm OD tubing 1 leak port for 6-8mm ID tubing	See page 46
108401	S 60 / 61	3 ports for 2.3/3.2mm OD tubing	See page 46
108403	S 60 / 61	2 ports for 2.3/3.2mm OD tubing 1 leak port for 6-8mm ID tubing	See page 46
108202	S 65	3 ports for 2.3/3.2mm OD tubing	See page 47
108203	S 65	2 ports for 2.3/3.2mm OD tubing 1 leak port for 6-8mm ID tubing	See page 47
108405	S 70 / 71	3 ports for 2.3/3.2mm OD tubing	See page 47
108407	S 70 / 71	2 ports for 2.3/3.2mm OD tubing 1 leak port for 6-8mm ID tubing	See page 47
108204	B 83	3 ports for 2.3/3.2mm OD tubing	See page 47
108205	B 83	2 ports for 2.3/3.2mm OD tubing 1 leak port for 6-8mm ID tubing	See page 47
108230	S 90	4 ports for 2.3/3.2mm OD tubing	See page 48
108231	S 90	4 ports for 2.3/3.2mm OD tubing 1 leak port for 6-8mm ID tubing	See page 48



Integrated Floater and Sensor

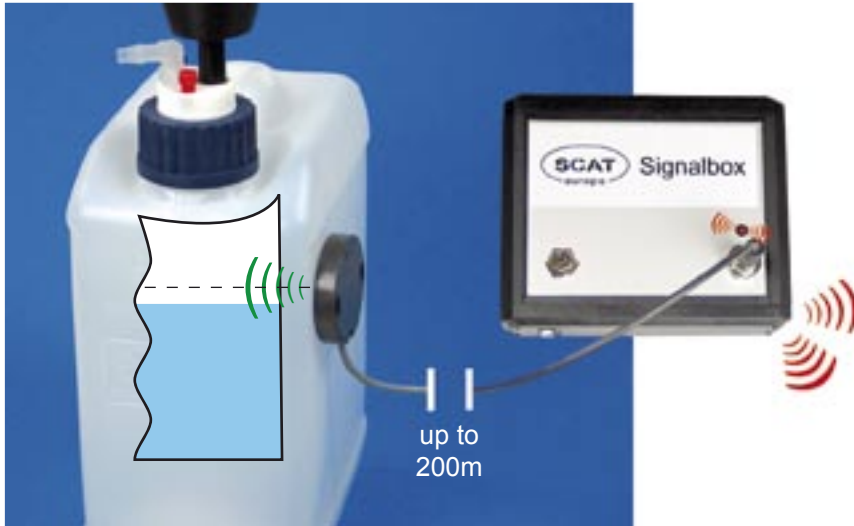


Signal Box with LED and Beeper



Please order your **Exhaust Filters** separately !
(see page 20)

Level control - electronic, touchless



Level monitoring without touching the fluids - with adjustable sensor. The sensitivity of the sensor can be matched with different materials - to be used with glass or any non-conductive plastic containers. The critical fluid level is indicated by the **beeper and LED** on the signal box.

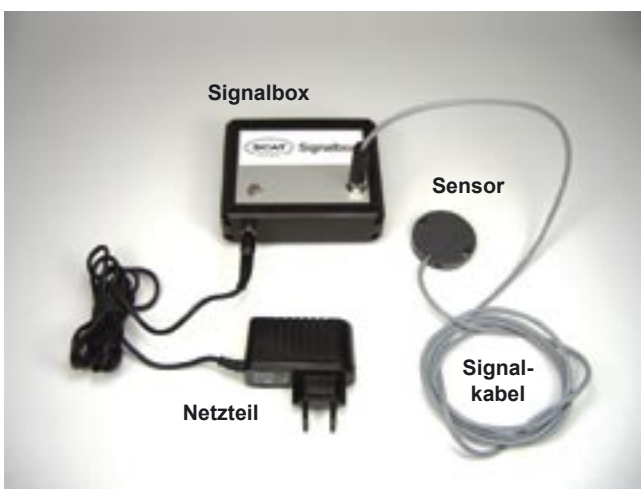
Part No.	Description
107990	Sensor with signal box, power supply (110/230V), signal cable and mounting parts



Also available as low-level warning

No more HPLC interruptions because of insufficient solvent supply !

The **practical** solution - **no tools necessary !**



Simply fix the sensor to the container (fixing materials incl.) and connect to power outlet - ready to run. No further arrangements necessary.



Watch up to 15 containers at the same time! With multichannel signal boxes (see next page).



Extension cables for signal transmission up to 200 meters - see next page.

Signal Boxes (for electronic Level Control)



Watch up to 15 fluid levels at the same time - with SCAT signal boxes. Furthermore, you can switch auxiliary equipment (pumps, HPLC systems etc.) by the integrated relay contact.

All boxes delivered with 110/230V power supply.

Part No.	Description
108036	Signal Box (1 channel), with power supply
108041	Signal Box (5 channels), with power supply
108049	Signal Box (15 channels), with power supply

Extension Cables and Power Supplies



Cables for signal transmission and relay contact. Simply combine the signal cables to monitor containers across distances **up to 200 meters**. Switch auxiliary equipment on / off by the **relay contact cable** when reaching critical fluid levels.

Part No.	Description
108050	Extension cable for signal transmission, 3m
108037	Extension cable for signal transmission, 5m
108038	Extension cable for signal transmission, 10m
108039	Cable for relay contact, 5m
108040	Cable for relay contact, 10m
108048	Level sensor, singular



Signal boxes can be used with 110 / 230V mains voltage, both with the same power pack.

Part No.	Description
108051	110 / 230 V power supply for signal boxes



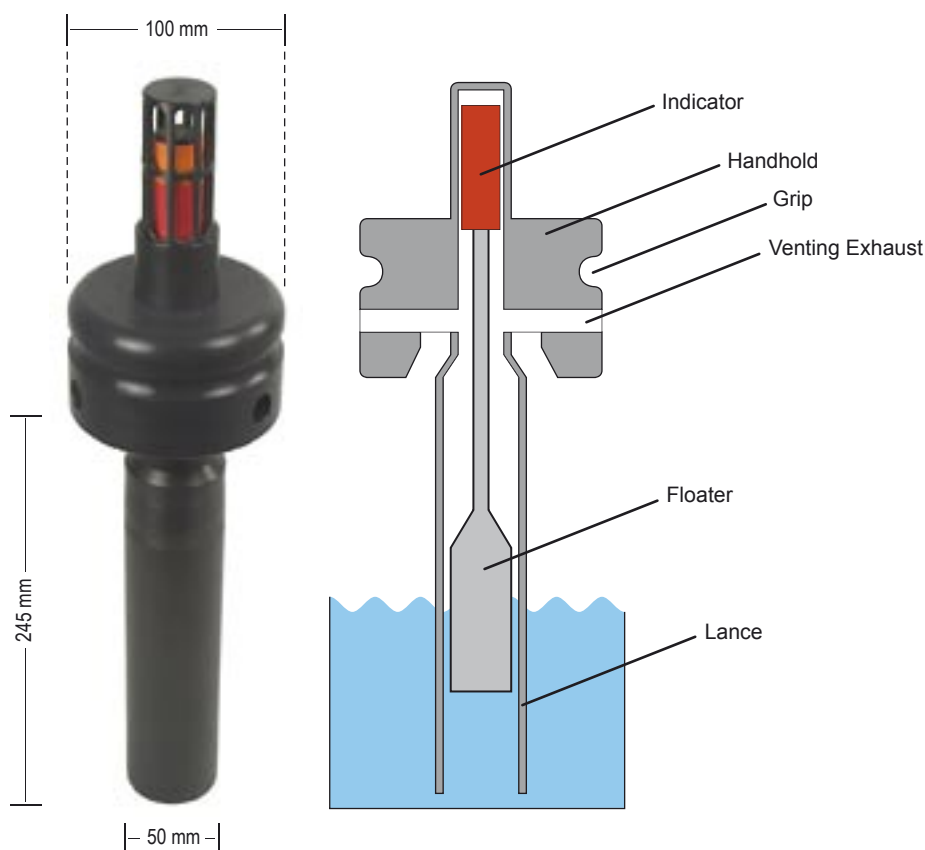
Level Control for Barrel Filling



Safe barrel filling.

Reliable protection against overflow during the filling. Fits into any barrel opening from 50mm to 90mm diameter. Practical handhold, for easy use with gloves.

Part No.	Description	Material
107880	Level control for barrels with min. 50mm opening.	Floater: PE Lance: PE Indicator: ETFE
107881	Level control for barrels with min. 50mm opening.	Floater: PFA Lance: PTFE Indicator: ETFE



Available in other sizes on request. Please ask us for developing an individual solution for your laboratory, plant stations or repositories.

Available in multiple materials - suitable for use with any chemicals !

Containers with integrated Floater (Level Control)



Containers for safe fluid disposal. The floater indicates critical levels and avoids overflow. Capable for use with safety funnels (see next chapter).

Containers made of **electroconductive PE-HD** can be grounded and avoid electrostatic charge, especially when using them in sensitive areas.

On page 45, you can find useful antistatic supplies and accessories.



Other containers can also be equipped with level floaters !



Pict.	Part No.	Thread	Volume	Material, Colour
A	108042	S 60 / 61	10 L	PE-HD, conductive, black
B	108043	S 60 / 61	20 L	PE-HD, conductive, black
C	108056	S 60 / 61	20 L	PE-HD, translucent
D	108945	S 50	5 L	PE-HD, translucent Space Saving Container
---	108220	S 90	10 L	PE-HD, conductive, black

