

# sorbliQ:SA PFAS Absorber System

Stainless steel filter tank with replaceable PFAS absorber cartridges, discharge valve and vent screw.

PFAS absorber cartridges with high-efficiency pressed absorber resin for highest uptake capacity for long and short chain PFAS compounds. Quick and easy replacement of the PFAS absorber cartridges.

**Technical specifications:**

- Min. operating pressure 2.5 bar, max. 8.0 bar
- Permissible water temperature: 35 °C



PFAS absorber cartridge



sorbliQ:SA7500

**BECOME A WATER EXPERT!**

sorbliQ:SA	7500	15000	30000
Nominal flow, approx. [m³/h]	7.5	15	30
Pressure loss at nominal flow [bar]	1.2	1.2	1.2
Capacity, approx. [m³]¹	4,000	8,000	15,000
Nominal connection diameter [DN]	40	65	80
Diameter of filter tank [mm]	215	267	350
Height of filter tank [mm]	800	850	950
Number of absorber cartridges	8	16	30
Operating weight [kg]	50	80	136
Drain connection required [DN]	50	50	50

¹ A detailed water analysis is required for the design. Due to the large number of different PFAS connections, an exact capacity specification is only possible during operation.

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**Clean water. Safe future.**

Filter systems for PFAS removal

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# Filter systems for PFAS removal

PFAS (per- and polyfluoroalkyl substances) are synthetic chemicals that have been used in numerous industrial and consumer products since the 1950s. Due to their extremely stable carbon-fluorine bonds, they are considered "forever chemicals" because they are virtually non-degradable in the environment.

PFAS enter soil, surface water, and ultimately groundwater via various pathways: through industrial wastewater and exhaust air, the leaching of PFAS-containing waste in disposal sites, the use of firefighting foams, discharge from sewage treatment plants, and natural transport through rain and seepage into deeper soil layers.

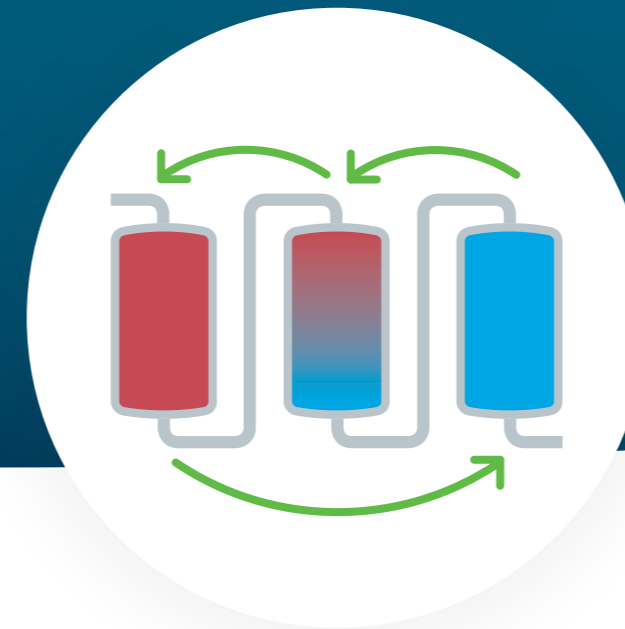
# Function

Highly selective absorber resin, approved for drinking water applications. Very efficient filtration is achieved thanks to the high absorption capacity for both long- and short-chain PFAS compounds.

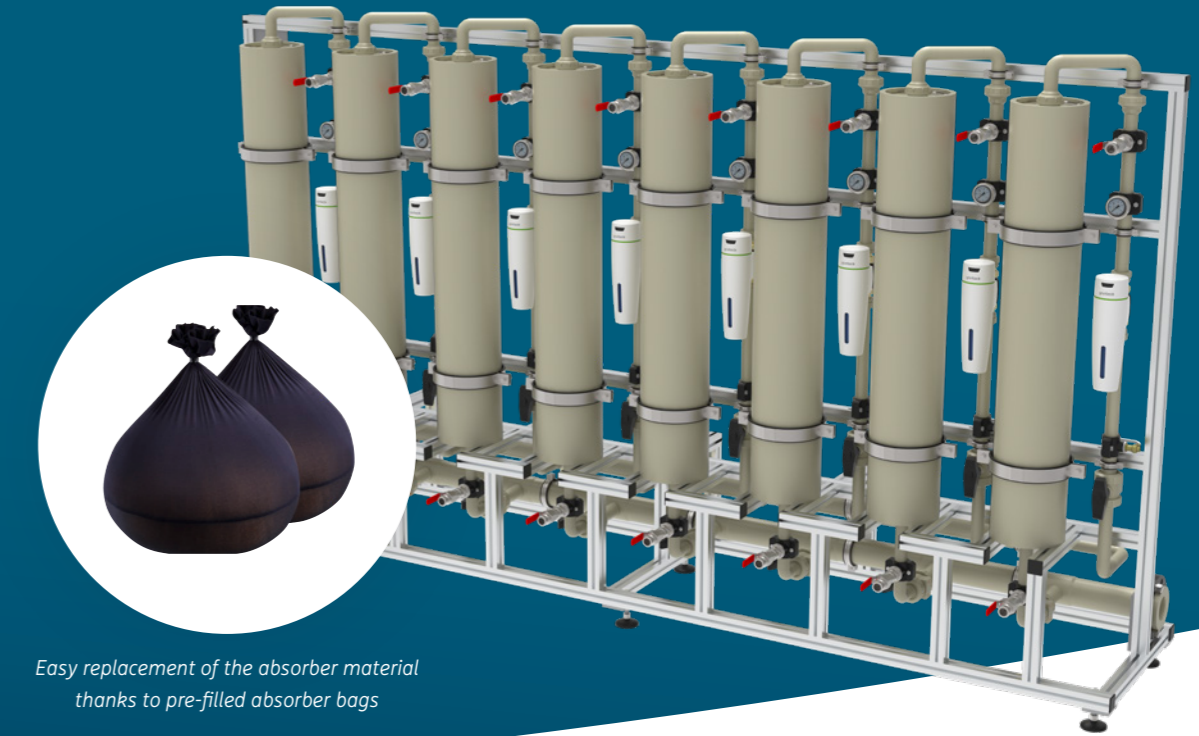


## MGR sequence principle

Maximum safety and optimal capacity utilisation thanks to the MGR sequence: The absorber resin in the first filter tank is only replaced once a PFAS breakthrough is detected after the second or third tank. The newly refilled filter tank is then rotated to the final position in the series.



# sorbliQ:MA PFAS Absorber System



Easy replacement of the absorber material thanks to pre-filled absorber bags

# sorbliQ:LA PFAS absorber system

Three-stage system in series for maximum safety and optimal utilisation of the absorber resin.

GRP filter tanks with side-mounted filling and emptying nozzles; filter front piping made of PP, pre-assembled on an anodised aluminium frame with levelling feet. Merry-go-round (MGR) sequence for optimum capacity utilisation: Once the absorber resin in the first filter tank is exhausted, that tank is rotated to the final position in the series.



### Technical specifications:

- Min. operating pressure 2.5 bar, max. 8.0 bar
- Pressure loss at nominal flow: 1.5 bar
- Permissible water temperature: 35 °C

sorbliQ:LA	10000	15000	20000	30000	40000	50000
Nominal flow, approx. [m³/h]	10	15	20	30	40	50
Capacity, approx. [m³]¹	3 x 20,000	3 x 30,000	3 x 40,000	3 x 50,000	3 x 75,000	3 x 115,000
Nominal connection diameter [DN]	50	50	65	80	100	125
Diameter of filter tank [mm]	610	770	927	1,074	1,226	1,429
Overall height [mm]	2,500	2,600	2,700	2,800	2,900	3,100
Required room height [mm]	2,700	2,800	2,900	3,000	3,200	3,400
Footprint (W x D) [mm]	3,800 x 2,150	4,300 x 2,300	4,700 x 2,450	5,200 x 2,750	5,600 x 2,950	6,300 x 3,150
Absorber resin volume [l]	3 x 400	3 x 600	3 x 800	3 x 1,000	3 x 1,500	3 x 2,300
Operating weight [kg]	1,030	1,455	2,210	3,085	3,840	4,211
Drain connection required [DN]	50	50	50	50	50	50

After replacement, the contaminated resin is professionally disposed of and sent for thermal recovery.



Parallel connection of up to eight filter cartridges for high flow rates with a compact footprint. Highly efficient absorption resin with a high capacity for both long- and short-chain PFAS compounds.

absorber resin from particle contamination. Filter cartridges can be removed individually for easy resin replacement.

### Technical specifications:

- Min. operating pressure 2.5 bar, max. 8.0 bar
- Pressure loss at nominal flow: 1.5 bar
- Permissible water temperature: 35 °C

Filter cartridges and piping made of PP, pre-assembled on an anodised aluminium frame with levelling feet. Includes a fine filter to protect the

sorbliQ:MA	3000	6000	9000	15000	24000
Nominal flow, approx. [m³/h]	3	6	9	15	24
Number of absorber cartridges [l]	1	2	3	5	8
Capacity, approx. [m³]¹	15,000	30,000	45,000	75,000	120,000
Nominal connection diameter [DN]	25	40	50	65	80
Diameter of filter cartridge [mm]	225	225	225	225	225
Overall height [mm]	1,950	1,950	1,950	1,950	1,950
Required room height [mm]	2,225	2,225	2,225	2,225	2,225
System width [mm]	500	1,000	1,400	2,325	3,525
System depth [mm]	750	750	750	750	750
Absorber resin volume [l]	30	60	90	150	240
Operating weight [kg]	98	167	250	417	667
Drain connection required [DN]	50	50	50	50	50

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