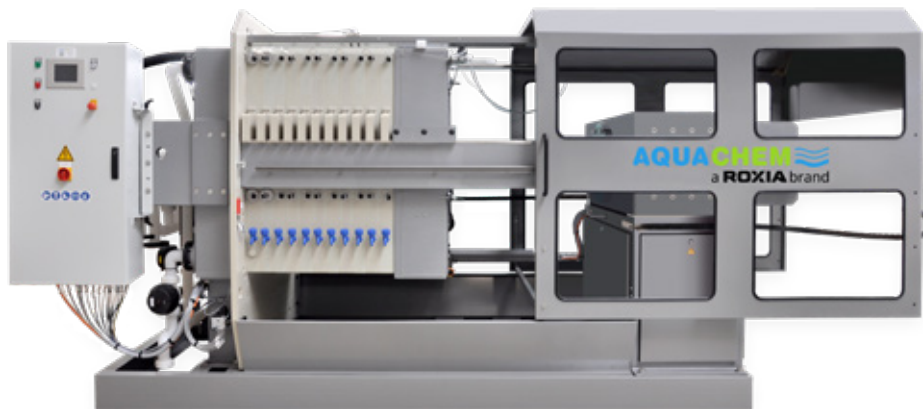


AQUACHEM Smart Filter Press™ (SFP)

The next generation of filter presses

The AQUACHEM Smart Filter Press™ (SFP) is a sophisticated little giant reaching up to 10 times higher capacity compared to conventional recessed filter presses of the same size. Our SFP has various new and innovative features including fully automatic cake discharge and trouble-free operation without operator involvement.



BENEFITS

- Fully automatic operation with enhanced safety
- High capacity with minimized footprint
- Lower operation & maintenance cost

New degree of automatic operation

- All stages of operation are fully automated.
- Unmanned availability above 98 %, only periodical inspections required.
- For safety and performance, the filter press is equipped with several error detecting functions.
- Optionally with Roxia Malibu™ online portal for remote monitoring and performance analysis.

Clean and safe workflows

- Filtration with gasketed filter plates behind enclosed and interlocked doors. That means:
 - No slurry sprays.
 - No human contact with filter cakes or fumes.
 - No operator involvement near moving parts.
- Self-diagnostic in each filtration cycle:
 - Leak-testing before each filtration cycle ensures cleanliness of the filter in traditionally dirty applications.

Low maintenance and low environmental impact

- Gentle and optimised process cycle minimises consumption of utilities as well as amount of required wear & spare parts.
- Advanced washing system provides extra mileage for filter cloths.
- Automated failure analysis supports preventive maintenance.
- Advanced diagnostics and remote support enhance troubleshooting.



Typical areas of application for the Smart Filter Press:

- ATEX
- Food industry
- Beverage filtration
- Edible oil filtration
- Wine production
- Chemical industry
- Catalysts
- Waste incinerators
- Biogas digestate dewatering
- Concrete wash water
- Battery production
- Printing waste water
- Landfill leachate
- Anodising
- Metal finishing
- Metal recovery
- ECM (Electro Chemical Machining)
- Precious metal processing
- Fly ash washing
- Surface finishing technology
- Glass processing
- Groundwater remediation
- Natural stone processing
- Solar cell manufacturing
- Semiconductor industry
- Industrial wastewater
- Gravel wash
- Municipal sewage
- Plastic recycling
- Drinking water treatment
- Wash water treatment (e. g. trains)
- Ceramic production

Filter size	Filtration area, m ²	Plate format, mm	Number of chambers	Filter volume, l
AQUACHEM SFP 470 1 GM32	1,28	470 x 470	4	16
AQUACHEM SFP 470 3 GM32	3	470 x 470	10	40
AQUACHEM SFP 630 6 GM32	5,9	630 x 630	10	86
AQUACHEM SFP 800 10 GM32	9,9	800 x 800	10	154
AQUACHEM SFP 1000 15 GM32	14,9	1000 x 1000	10	238
AQUACHEM SFP 1200 22 GM32	22,3	1200 x 1200	10	365

Enhance processes with integrated Smart Filtration

All our AQUACHEM Smart Filter Presses can be connected to the Roxia Malibu™ online portal. This allows you to monitor and analyze the performance of your filter systems remotely.

This smart filtration enables operators to optimize their filtration processes, increase production volumes and detect faults before they even occur.

All these insights can be taken from anywhere using a computer, smartphone or other mobile device with an internet connection.

