

ALMA CFP

Chamber filter press for dewatering industrial sludge



The **ALMA CFP** is a highly specialized chamber filter press designed for the efficient dewatering of thin sludge from precipitation, flocculation and biological processes. By increasing the dry substance content to 35-40 %, a dry and firm filter cake is produced from the thin sludge. Our ALMA CFP is extremely flexible and can be adapted to suit individual applications and customer requirements. When processing toxic thin sludge, the chamber filter press can be equipped with an automatic plate transporter and a splash guard to meet the highest safety standards. It goes without saying that we will support you with our in-depth expertise in the customized design of the chamber filter press.

Applications

- Industrial and municipal sludge treatment (food and non-food sector)

Specifications

- Durable and robust system technology
- Stable operation
- High drainage performance
- Filtration via chamber plates
- Individual choice of filter cloths depending on sludge concentration
- Max. operating pressure 16bar
- Cake thickness 25/32 mm

Optional

- Tilting container for filter cakes
- Drop funnel
- Automatic filter plate transport
- Pilot tests on site or at the Almatech technical center
- Automatic operation and cover for toxic sludges
- Fully automatic or semi-automatic execution



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Technical versions

Type	CFP 470	CFP 630	CFP 800	CFP 1000
Design	Manual plate transport, Manual and electro-hydraulic closure	Manual plate transport, Closure with Engine hydraulics	Automatic plate transport, Closure with Engine hydraulics	Automatic plate transport, Closure with Engine hydraulics
Plate size [mm]	470x470	630x630	800x800	1000x1000
Filter area [m ²]	6 -15	15 – 40	33 – 65	
Number of chambers	20 – 40	25 – 40	30 – 60	Design and technical data on request
Chamber volume [l]	40 – 210	170 – 420	360 – 710	
Total length [mm]	1500 – 3000	2000 – 4200	2400 – 4600	
Width [mm]	560	660	1980	Design and technical data on request
Total height [mm]	1500	1800	1450	
Curb weight [kg]	800 – 1100	2150 – 3000	5660 – 6900	
Basic	Drip tray, Switch cabinet	Drip tray, Switch cabinet	Drip tray, Light barrier, Switch cabinet with Control	Drip tray, Light barrier, Switch cabinet with Control

Reference plant





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ALMAWATECH GmbH - Your plant manufacturer and service provider in industrial water and wastewater technology offers everything from a single source

**Analysis &
Optimization**

**Planning &
Consulting**






**Water
chemicals**

**Operations
Management**








Plant engineering

Wastewater and process water

-  Treatment for direct and indirect dischargers
-  Pre- and post-treatment of wastewater
-  Process water Recycling
-  Ultrapure water production
-  Individual system solutions for all branches of industry

Procedure

-  Biological (aerobic/ anaerobic/ anoxic)
-  Precipitation, flocculation and neutralization
-  Filtration & reverse osmosis
-  Oxidation & hygienization
-  Modular systems

Specialized water chemicals from ALMAWATECH for wastewater applications, cooling water circuits, membrane systems and boiler plants.