



# ALMAWATECH

INNOVATIVE SOLUTIONS FOR WATER

## ALMA FLOC AD

Automatic preparation and dosing station for polymer



The **ALMA FLOC AD** is a state-of-the-art preparation and dosing station designed for the fully automatic production of high-quality flocculant aid solutions in a continuous process. In the first chamber, the polymer (in the form of liquid concentrate or powder) and fresh water are mixed using a flow-optimized inline dosing system and a high-performance agitator. The resulting polymer-water mixture is transferred to the second chamber via a transfer valve, where the maturing time begins and the polymer develops its maximum effectiveness. The polymer solution then flows automatically from the preparation chamber into the dosing chamber. If required, the polymer is removed from the dosing chamber and fed into the ongoing treatment process. An integrated fill level monitor in the dosing chamber ensures that the ready-to-use flocculant aid solution is refilled automatically. The ready-to-use flocculant aid solution is available within a few minutes. One IBC container of flocculant aid concentrate enables the production of around 200,000 liters of ready-to-use flocculant aid solution, ensured by precise and efficient dosing technology.

## Technical versions

Designation	Processing capacity [l/h]	Design	Diameter [mm]	Chamber volume [l]	Material
ALMA FLOC 1000 AD / F	1000	Pass, three chambers, rectangular	2300 x 900 x 1700	3 x 500	PE / PP
ALMA FLOC 2000 AD / F	2000	Pass, three chambers, rectangular	2300 x 1200 x 1700	3 x 800	PE / PP
ALMA FLOC 1000 AD / P	1000	Pass, three chambers, rectangular	2300 x 900 x 1700	3 x 500	PE / PP
ALMA FLOC 2000 AD/P	2000	Pass, three chambers, rectangular	2300 x 1200 x 1700	3 x 800	PE / PP

## Specifications

- 3-chamber container
- Constant polymer solution concentration
- Openings for maintenance and cleaning
- Integrated emergency overflow
- Continuous flow system
- Automatic process control via ALMAVision software

## Advantages

- Little need for space
- No short-circuit currents
- Low energy consumption
- Easy installation due to pre-assembly
- Controlled water supply
- Uncomplicated cleaning

## 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.