

# ALMA FLOC AC

## Automatic preparation and dosing station



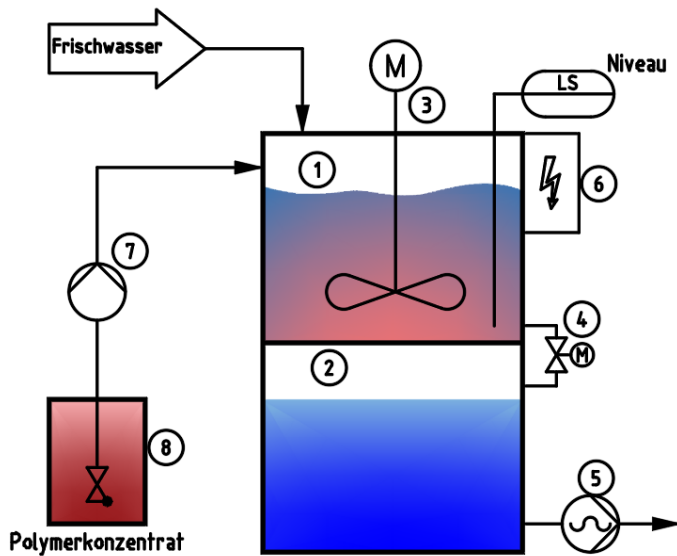
The **ALMA FLOC AC** is a state-of-the-art preparation and dosing station that enables the automated production of ready-to-use flocculant aid solutions, either in continuous batches or in a continuous process. In the first chamber, the polymer and fresh water are mixed to form a 0.1-3% working solution. The finished polymer solution is then automatically transferred from the preparation chamber to the dosing chamber by opening the transfer valve. The dosing chamber is the reservoir for the removed flocculant aid solution, which is added to the treatment process as required. The ready-to-use flocculant aid solution is available within a few minutes. A 30-liter canister enables the production of around 6,000 liters of high-quality 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 500 AC	500	Round, two chambers	Ø 1200 x 1400	500	PE / PP
ALMA FLOC 1000 AC	1000	Round, two chambers	Ø 1400 x 1900	1000	PE / PP
ALMA FLOC 2000 AC	2000	Round, two chambers	Ø 1500 x 2300	2000	PE / PP



## Process flow diagram



- ① Ansetzkammer
- ② Dosierkammer
- ③ Rührwerk
- ④ Transferventil
- ⑤ Dosierpumpe Polymer (gebrauchsfertig)
- ⑥ Klemmkasten
- ⑦ Dosierpumpe für Konzentrat (Polymer)
- ⑧ Dosierstation für Konzentrat

## Specifications

- Two separate containers (no danger from immature polymer solution)
- Stable polymer solution concentration
- Openings for maintenance and cleaning
- Integrated emergency overflow
- Automated batch system

## Advantages

- Little need for space
- No short-circuit currents
- Low energy consumption
- Easy installation due to pre-assembly
- Water meter and controlled water supply



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## Procedure

-  Biological (aerobic/ anaerobic/ anoxic)
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