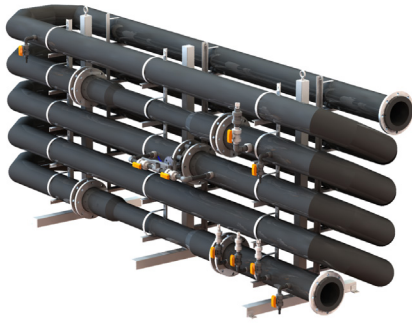




A Sulzer Brand

F-Series Flocculator

Wastewater Pretreatment



FRC Flocculators enhance solids separation with static mixing, air injection, and zero energy input—optimizing chemical use before DAF systems.

FRC's Flocculators are energy-free, inline mixing systems that promote effective coagulation and flocculation before dissolved air flotation. With no moving parts and minimal maintenance, they enhance solids removal while reducing chemical usage.

FRC's F-Series flocculators operate as inline static mixers. As wastewater passes through, coagulants and flocculants are introduced at designated injection ports. The internal pipe layout includes wide-radius bends and inline mixing zones, promoting gentle chemical mixing and optimal particle collision without mechanical shear. Air injection ports can also be used to introduce microbubbles. This setup prepares wastewater for DAF by creating large, stable flocs that separate efficiently during flotation.

Key Features

- Non-mechanical static mixing design
- Air injection ports for microbubble introduction
- Wide-radius bends protect floc integrity
- Chemical dosing and sampling ports allows for easy testing & optimization
- Built from corrosion-resistant HDPE, PVC, or stainless-steel

Specifications

- **Flow Capacity:** Up to 4,000+ GPM (908+ m³/hr)
- **Construction:** PVC, HDPE, stainless-steel (304, 316)

Options & Accessories

- Custom diameters and flanged ends
- Sampling and monitoring ports
- Skid-mounted assemblies
- SCADA-ready control panels

Applications

- Pretreatment for DAF systems
- Industrial chemical conditioning
- Sludge thickening and dewatering prep
- Municipal wastewater pretreatment

Why choose an FRC Flocculator?

Reliable, low-maintenance, and energy-efficient, F-Series flocculators improve treatment effectiveness and lower chemical costs—making them essential for any chemical pretreatment train.

How can we help you?
Contact us today to find
your best solution.



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