



AVEKA
ENVIRONMENTAL TECHNOLOGIES



DOLPHIN SERIES



➤ **Customized** ➤ **Compact** ➤ **Turn-Key**

AVEKA DOLPHIN SERIES



MADE IN
TURKIYE

Chemical Treatment System For Industrial Wastewater

Compact, Energy-Efficient Wastewater Solutions for Industrial Applications

Aveka Environmental Technologies Co. is an engineering and contracting company operating in the field of industrial wastewater treatment and water recovery. With extensive experience, we provide sustainable and compact systems that minimize operating costs and environmental impact.

The Dolphin Series offers a **high-performance chemical treatment** system engineered to deliver **stable, efficient, and sustainable wastewater treatment** for industrial applications. Its compact structure allows seamless integration into both new and existing facilities.



Benefits

- ✓ **High-efficiency chemical treatment**, ensuring stable discharge quality
- ✓ **Optimized chemical dosing** based on real-time analyzer feedback
- ✓ **Accelerated sedimentation** with lamella plate technology
- ✓ **Compact footprint** suitable for limited space installation
- ✓ **Low maintenance requirement** and long service life
- ✓ **Energy-efficient static mixing** with no moving parts
- ✓ **Easy installation** and quick commissioning
- ✓ **User-friendly HMI** operation panel
- ✓ **Customized** design

Industry Applications



Textile



Pharmaceutical



Automotive



Plastic Recycling



Chemicals



Home Appliances



Food and Beverage



1. DRUM SCREEN



2. FLOCCULATOR



3. LAMELLA SETTLER



4. SLUDGE DEWATERING

Drum Screen

Fully automatic fine screen removes solid particles sized up to 300 micron available in multiple mesh sizes to suit different wastewater characteristics. In the first stage of treatment process, ensures smooth operation of downstream and protect following equipments against abbracion and accumulation.



Flocculator and Chemical Dosing Unit

Utilizes static mixers for **energy-free** chemical reaction. No moving parts and minimal maintenance. Automatically adjusts chemical dosing based on **real-time analyzer** data for consistent and optimized performance. optimizing consumption and ensuring operational ease.





Lamella Settling Tank

The integrated lamella plates significantly increase the surface area, enabling faster and more **efficient sedimentation**. This high-efficiency design ensures stable operation, reduced space requirements, and consistently **reliable treatment performance**. The sludge naturally settles to the bottom, while clean, clarified water smoothly sluiced from the top.



Sludge Processing

Thickening and polymer conditioning followed by **high-efficiency filter press dewatering** to minimize sludge volume, reduce transport and disposal cost.



Main Control Panel

The system is managed through an **HMI screen** with data logging capabilities. Operators can easily adjust parameters, while a **remote-access module** enables quick service support and data retrieval.

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