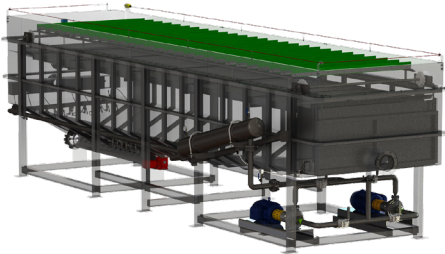




A Sulzer Brand

PWL-Series Open-Tank DAF System

Wastewater Pretreatment



FRC's PWL-Series DAF handles heavy solids with a counter-current skimmer, large flotation surface, and sludge dewatering grid for efficient solids removal.

The PWL-Series DAF system from FRC is purpose-built for high-solids wastewater streams. Its low-built, rectangular design provides a large surface area for effective flotation, while the counter-current skimmer and dewatering grid maximize sludge dryness and simplify maintenance.

Wastewater flows horizontally through the open-tank PWL system while whitewater, created in an angled dissolving tube, introduces microbubbles that bind to suspended solids. These solids rise to the surface and are removed using a skimmer that moves in the opposite direction of flow, minimizing sludge carryover. The system's built-in dewatering grid thickens sludge in place. This open configuration handles heavy solids efficiently and allows for easy inspection and maintenance.

Key Features

- Low-profile rectangular tank ideal for high solids
- Counter-current skimmer minimizes sludge carryover
- Integrated sludge dewatering grid promotes thicker, drier sludge output
- Angled air dissolving tube enables fast whitewater generation
- Non-proprietary pumps
- Stainless-steel construction resists corrosion in harsh environments
- Fully customizable system configuration including skids, catwalks, and controls

Specifications

- **Flow Rate:** Up to 1,020+ GPM (231.7 m³/hr)
- **Free Separation Area:** 14 – 510 sq ft (1.3 - 47.4 m²)
- **Construction:** Stainless steel (304, 316, duplex, or custom alloys)

Applications

- Meat and poultry processing
- Rendering and slaughterhouses
- High-solids food and beverage facilities
- Mining and industrial wastewater
- Municipal waste activated sludge thickening

Why choose the PWL DAF?

Built for tough, solids-heavy wastewater, the PWL-Series excels in performance, service life, and operator convenience—making it the preferred solution for demanding industries.

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



frcsystems.com
+1 770-534-3681

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