

SULZER

Nordic Water

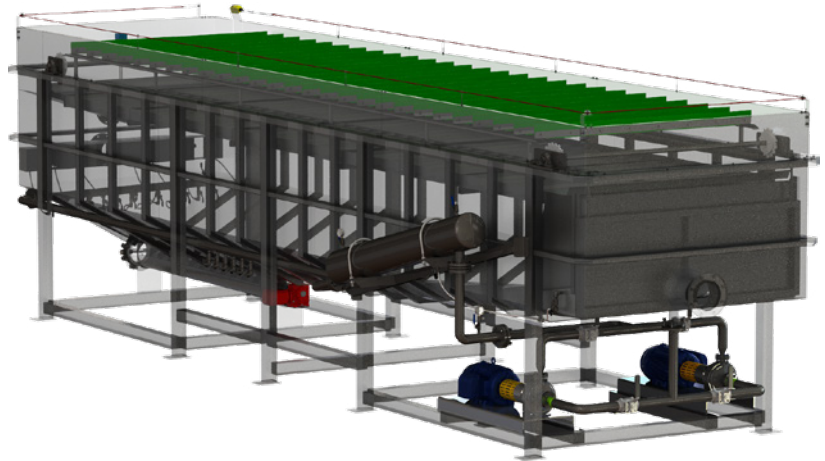
PWL series Open-tank DAF system

Nordic Water'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 Nordic Water 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 231.7 m³/h
- **Free separation area:** 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.

nordicwater.com



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