

# DAF

## Dissolved Air Flotation

**Advanced physical and  
chemical industrial  
wastewater treatment**





The next generation of DAF, bringing an established process technology to the next level, with higher efficiencies and lower costs.

## Reference Projects

### A unique, highly efficient dissolved air flotation process

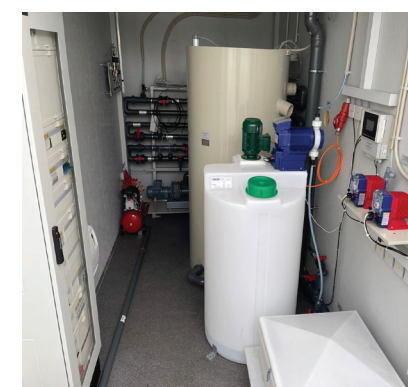
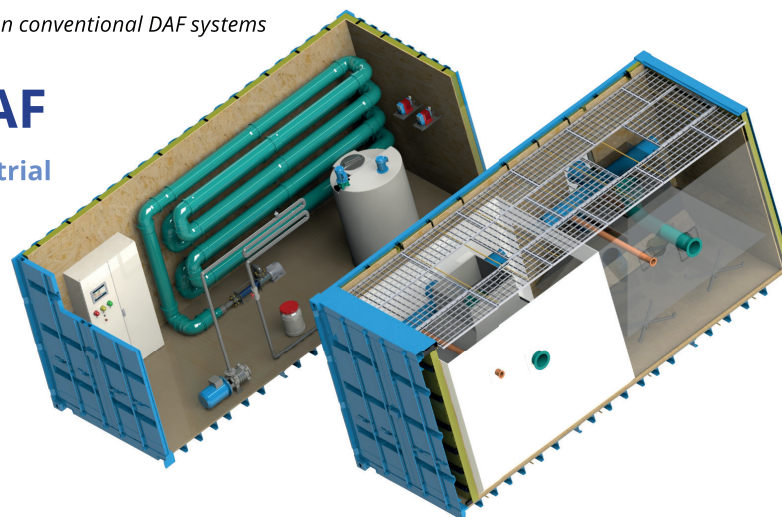
*Smaller footprint, higher efficiency and lower chemical usage than conventional DAF systems*

## ClearFox® Advanced DAF

A compact and efficient solution for all industrial wastewaters from 1 - 500 m³/hr

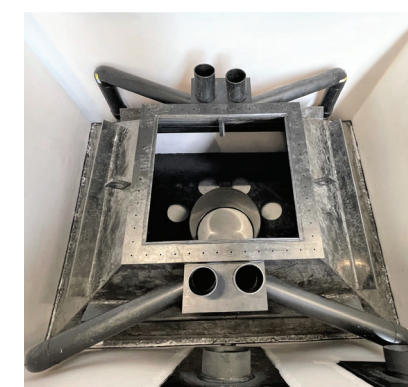
Highly efficient pollutant removal for a range of industries and sectors including:

- Food and beverage
- Pharmaceutical
- Oil and gas
- PET and plastic recycling
- Wood processing
- Landfill
- Biogas, etc.



### UK - Food and Beverage

A modular DAF installed to reduce COD, BOD<sub>5</sub> and TSS from a fish factory in the UK with 5 m³/hr.



### Egypt - Oil and Gas

Specialist DAF modules for the cleaning of produced water from oil drilling sites across Egypt. 1000 - 5000 m³/day.



### Germany - Landfill

A high rate DAF used in conjunction with other ClearFox® solutions for the cleaning of highly polluted landfill leachate.

- 1 Containerised**  
*Totally containerised, plug and play DAF modules for simple and fast setup.*
- 2 Skid Mounted**  
*Skid mounted DAF systems for indoor installation in very small spaces.*
- 3 Site Built**  
*DAF equipment kits installed in site built concrete tanks for very large flowrates.*

## Special features

*Our solutions stand out from competitors due to a number of unique selling points. Visit our website to read about them in more detail.*



## Our Advantages

**Low Cost**



Unique design with lower OPEX than conventional DAF

**Modular**



Modular solutions that are easy to expand and reposition

**Reliable**



100% process guarantees with every system sold



- ✓ No mechanical scraper for sludge removal - a totally automatic air-powered system
- ✓ Lower chemical usage due to a special reactor design and flow control
- ✓ Higher treatment efficiency due to flotation reactor geometry without dead zones
- ✓ Independently certified and CE marked
- ✓ Manufactured from polypropylene which is totally resistant to corrosion
- ✓ Integrated sludge thickening
- ✓ pH adjustment, flocculation system, DAF reactor, level sensors, automatic sludge discharge and control panel supplied as standard





## PPU Umwelttechnik GmbH

PPU Umwelttechnik GmbH is a technology company based in Bavaria, Germany. We develop unique wastewater treatment processes, including physical, biological, chemical, filtration and oxidation steps. We offer products and complete tailor made solutions for any industrial or municipal applications. We manufacture all of our products and solutions at our factory in Bavaria.

### ClearFox®

ClearFox® is the brand name for the range of products and solutions, manufactured by PPU. ClearFox® products are exported all over the world. Systems are currently installed and operating in Africa, Europe, Middle East, Russia/CIS and Asia. The ClearFox® brand is globally recognised as a specialist provider of solutions for wastewater treatment.

### Why choose PPU?

#### Quality control

Our plants and systems are entirely manufactured, independently certified, and tested in Germany. Before delivery, they go through an independent approval process. Customers in over 50 countries worldwide use ClearFox® wastewater treatment plants.

#### Cost saving

We use the most advanced technologies, which are particularly energy-efficient. PPU offers solutions that work completely without electricity. This means that the operating costs are very low or completely eliminated.

#### Risk free purchases

You get up to 15 years warranty on selected parts. All ClearFox® treatment systems use corrosion-free materials designed to last. With our systems, we guarantee compliance with all agreed purification standards.

#### Exclusive technology

Only with us you get patented and specialised solutions that are unique on the market. ClearFox® DiOx advanced oxidation removes even persistent substances, while our ClearFox® DAF works without a scraper and thus requires less maintenance. So all of our processes use cutting edge, advanced technology.

#### Complete service

With our full engineering and installation team we can offer a total service to customers. We analyze your wastewater in our in-house laboratory, which enables us to offer you the best solution at the best price-performance ratio. We take care of the complete project planning for you and are also available to you after the purchase with our 24/7 service team.

### Contact Us

#### PPU Umwelttechnik GmbH

Carl-Kolb-Str. 6  
95448 Bayreuth, Germany  
+49 (0) 921150 63 99 0  
info@clearfox.com  
www.clearfox.com

