STANDARD MODEL RANGE

Model	Flow Capacity (m³/h)	TSS Range (mg/L)	FOG Limit (mg/L)	Air to Solids Ratio	Flotation Area Range (m²)	Pump Power (kW)	Skimmer Power (kW)	Energy Efficiency (kWh/m³)	Automation Level
DAF-F-2	2	200 - 5000	< 2000	Variable	0.5 - 1.5	0.75	0.18	0.3	Standard
DAF-F-5	5	200 - 5000	< 2000	Variable	1.0 - 2.5	1.1	0.25	0.28	Standard
DAF-F-10	10	200 - 5000	< 2000	Variable	2.0 - 4.0	2.2	0.37	0.26	Standard
DAF-F-15	15	200 - 5000	< 2000	Variable	3.0 - 5.5	3	0.55	0.25	Standard
DAF-F-20	20	200 - 5000	< 2000	Variable	4.0 - 7.0	3.7	0.75	0.24	Standard
DAF-F-30	30	200 - 5000	< 2000	Variable	6.0 - 10.0	5.5	1.1	0.23	Standard
DAF-F-40	40	200 - 5000	< 2000	Variable	8.0 - 13.0	7.5	1.5	0.22	Standard
DAF-F-60	60	200 - 5000	< 2000	Variable	12.0 - 20.0	11	2.2	0.21	Standard
DAF-F-80	80	200 - 5000	< 2000	Variable	16.0 - 26.0	15	3	0.2	Standard
DAF-F-90	90	200 - 5000	< 2000	Variable	18.0 - 29.0	18.5	3.7	0.19	Standard
DAF-F-100	100	200 - 5000	< 2000	Variable	20.0 - 32.0	22	4	0.18	Standard
DAF-F-120	120	200 - 5000	< 2000	Variable	24.0 - 38.0	25	5.5	0.17	Standard
DAF-F-140	140	200 - 5000	< 2000	Variable	28.0 - 44.0	30	7.5	0.16	Standard
DAF-F-160	160	200 - 5000	< 2000	Variable	32.0 - 50.0	37	9	0.15	Standard
DAF-F-180	180	200 - 5000	< 2000	Variable	36.0 - 56.0	45	11	0.14	Standard

WANT TO LEARN MORE?

https://aquaanalytic.com.ua/

+38 057 725 95 01

info@aquaanalytic.com.ua

EFFECTIVE AND EFFICIENT INDUSTRIAL WASTE WATER TREATMENT

FlotLife’s Dissolved Air Flotation (DAF-F-SS) system is designed for the efficient separation of fats, suspended solids, and organic pollutants from wastewater.

FlotLife

Standart specification

- Adjustable effluent outlet
- Open Tank DAF – A standard and cost-effective solution
- Tank body made of AISI 304
- Structural support frame AISI 304
- Pipe flocculator with inline mixers
- Service platform
- Air saturation vessel made of AISI 304
- Sludge hopper
- Control cabinet PLC

Optional features

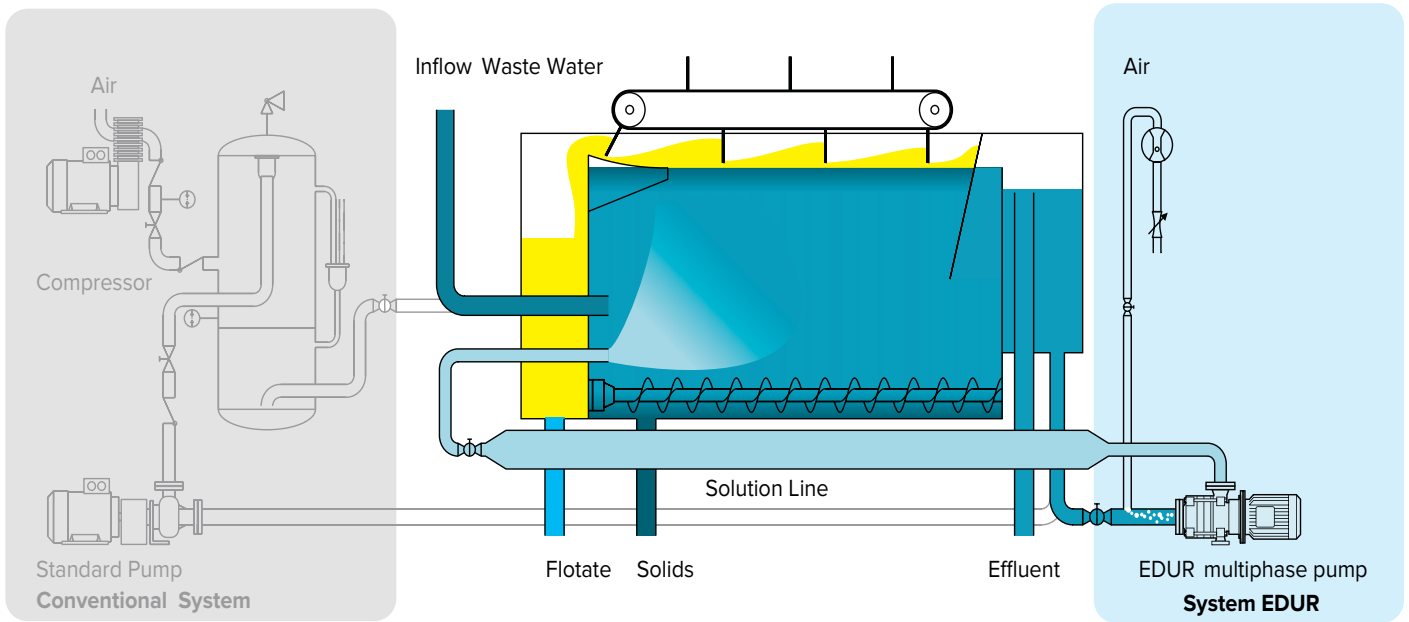
- Cover with ventilation outlet
- Lamella pack – An advanced system that integrates inclined plate technology for enhanced efficiency in sedimentation and solid separation.
- Tank body made of AISI 316 or other specific material grades
- Integrated FDS sludge dewatering
- pH control and measurement of suspended solids

DISSOLVED AIR FLOTATION DAF-F-SS STAINLESS STEEL BODY

- Open Tank DAF – A standard and cost-effective solution
- Lamella DAF – An advanced system that integrates inclined plate technology for higher efficiency in sedimentation and solid separation.
- Standard Range – Pre-designed models for common applications.
- Tailor-Made Solutions – Customized designs to meet specific industry needs and wastewater characteristics.

Equipped with air injection, flotation, and sludge removal systems for efficient wastewater treatment. Pre-tested and ready for installation at the client's site. Manufactured using high-quality stainless steel for durability and corrosion resistance.

FlotLife guarantees precision engineering and high production standards for every system. Each unit is built according to project-specific requirements, ensuring optimal performance and efficiency.



If you require high air-to-water ratios, precise control over air injection, and are dealing with high-pressure large-scale applications, **the Standard Pump + Compressor system** is more versatile

If you need a cost-effective, easy-to-maintain, and energy-efficient system, the **EDUR Multiphase Pump system** is the best choice.

FlotLife designs and manufactures various shapes and configurations of Dissolved Air Flotation (DAF) tanks to meet the specific needs of different industries and installations.

ADVANTAGES AND CHARACTERISTICS

- **Recycle-Flow Pressurization** – Enables the system to operate at higher pressures, minimizing the destruction of floc formed in the process flow, thereby increasing overall system effectiveness.
- **Improved Air Saturation System** – The DAF-F uses **50-70% less recycle flow** than conventional DAF systems while introducing the same amount of dissolved air into the flotation tank.
- **Efficient DAF Recycle Pump** – Designed to operate at high pressures, increasing the amount of saturated air by **46% more** than traditional centrifugal pumps.
- **Optimized Use of Coagulants and Flocculants** – Supports stronger floc formation, reduces float volumes and moisture content, and allows the system to operate with a much lower air/solids ratio and higher solids loading rate.
- **Compact Design** – With a **high loading rate,** the DAF-F requires only **15% of the space needed** for conventional clarification, making more efficient use of available space.
- **Cost-Effective** – Delivered **pre-assembled and pre-tested** in our controlled facility, often reducing costs by **50% or more** compared to in-situ construction. The DAF-F can also be **integrated into pre-engineered systems** for even greater savings and faster deployment.

Reduction of pollution achievable by DAF-F

Fats	90%
Oils	90%
Total Suspended Solids (TSS)	90%
Biochemical Oxygen Demand (BOD)	65%
Chemical Oxygen Demand (COD)	65%

These values represent common industry benchmarks for DAF system performance. However, actual efficiency varies based on wastewater

To determine the precise removal efficiency for each specific case, a jar test should be conducted.

https://aquaanalytic.com.ua/