



Dissolved Air Flotation (DAF)

Product Introduction

Dissolved Air Flotation(DAF) system is a kind of commonly used solid-liquid separation equipment in the sewage treatment industry, which can effectively remove the suspended matter, grease, rubber substances in the sewage, and is the main equipment of the sewage preliminary treatment.

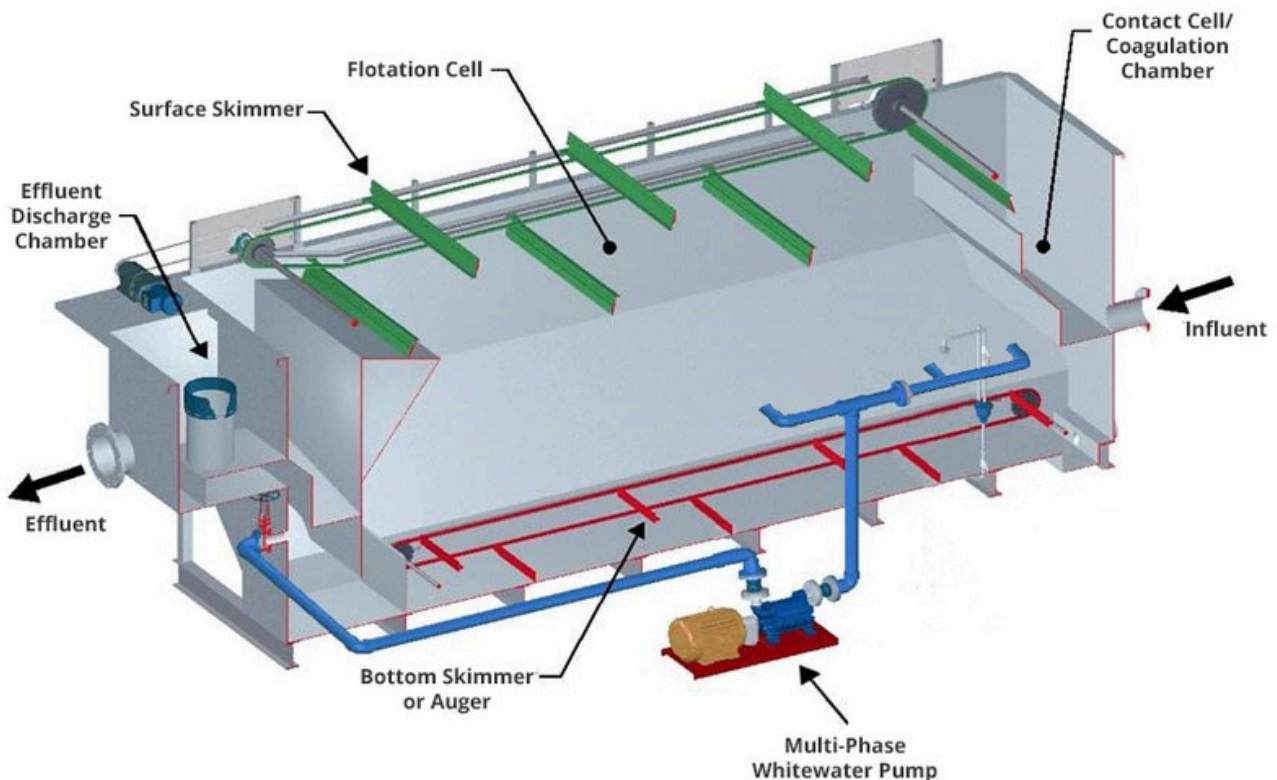
PRODUCT APPLICATIONS:

DAFs are widely used for treating industrial wastewater, no matter from oil refineries, chemical plants and paper mills or food & beverage industries.

Product Introduction

How DAF Works

DAF operates by dissolving air into water under high pressure, creating a supersaturated solution. When this solution is released into a flotation tank at atmospheric pressure, millions of tiny bubbles (20-50 microns) form. These bubbles adhere to suspended particles, reducing their density and causing them to float to the surface, where they are skimmed off as sludge. The clarified water is then discharged or reused, while the sludge undergoes further treatment.



Product Advantages

DAF system is widely used in industrial wastewater reuse, pretreatment system before membrane treatment, reclaimed water reuse, MBBR biological film process

- 1.The bubble size is less than 10um, Dissolved gas efficiency is over 95%
- 2.Land-occupying province,the solid suspended matter content in effluent can be less than 20 mg/L
- 3.One-button boot, unattended, Cloud digital service can be realized



Specification Parameters

Model	Capacity (L/h)	L(mm)	W(mm)	H(mm)	Net Weight (T)	Running Weight (T)	Total Power (Kw)	Reflux Pump (Kw)	Air Compressor (KW)	Skimmer (KW)	Mixer1 (KW)	Mixer2 (KW)	Material
WT-DAF005	5	2800	1000	2100	3	8	4.75	3	0.55	0.1	0.55	0.55	Carbon steel
WT-DAF010	10	3200	1200	2200	4	12	4.75	3	0.55	0.1	0.55	0.55	Carbon steel
WT-DAF025	25	5000	1500	1350	5.5	21	5.85	3.7	0.75	0.1	0.75	0.75	Carbon steel
WT-DAF050	50	6500	2000	2500	7	36	9.05	5.5	1.5	0.2	1.1	1.1	Carbon steel
WT-DAF080	80	7600	2600	2600	9	55	11.05	7.5	1.5	0.2	1.1	0.75	Carbon steel
WT-DAF100	100	8300	3000	3000	12	70	16.2	7.5	2.2	0.4	1.5	1.1	Carbon steel



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