



# WASTEX DISSOLVED AIR FLOTATION (DAF)

WASTEX

## DISSOLVED air flotation



### Product Introduction

Dissolved Air Flotation 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.

DAF are widely used for treating industrial wastewater, no matter from of refiners, chemical plants and paper mills food & beverage industries.

### Structure And Advantages

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

## DISSOLVED

### air flotation

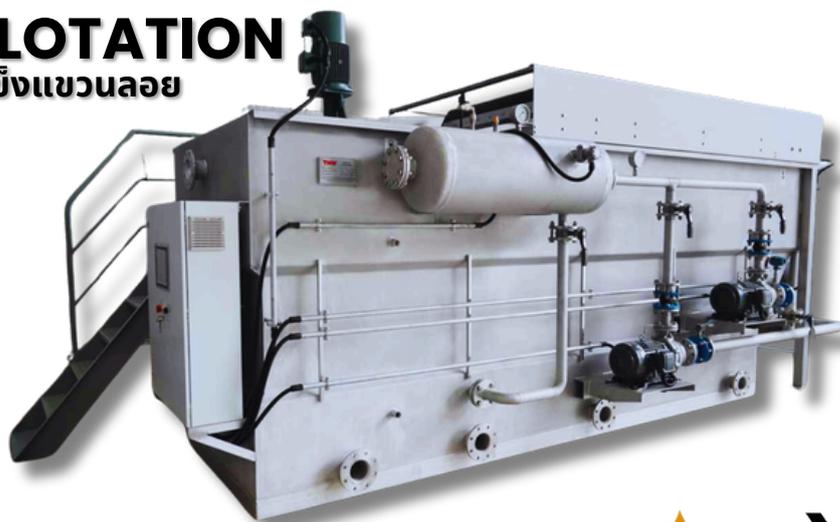
#### Application Scenarios

- Wastewater reuse
- Pretreatment system before membrane treatment
- Eclaimed water reuse
- MBBR biological film process



## WASTEX DISSOLVED AIR FLOTATION

ระบบแยกไขมัน น้ำมัน และของแข็งแขวนลอย  
โดยใช้ ฟองอากาศขนาดเล็ก  
(MICROBUBBLE)

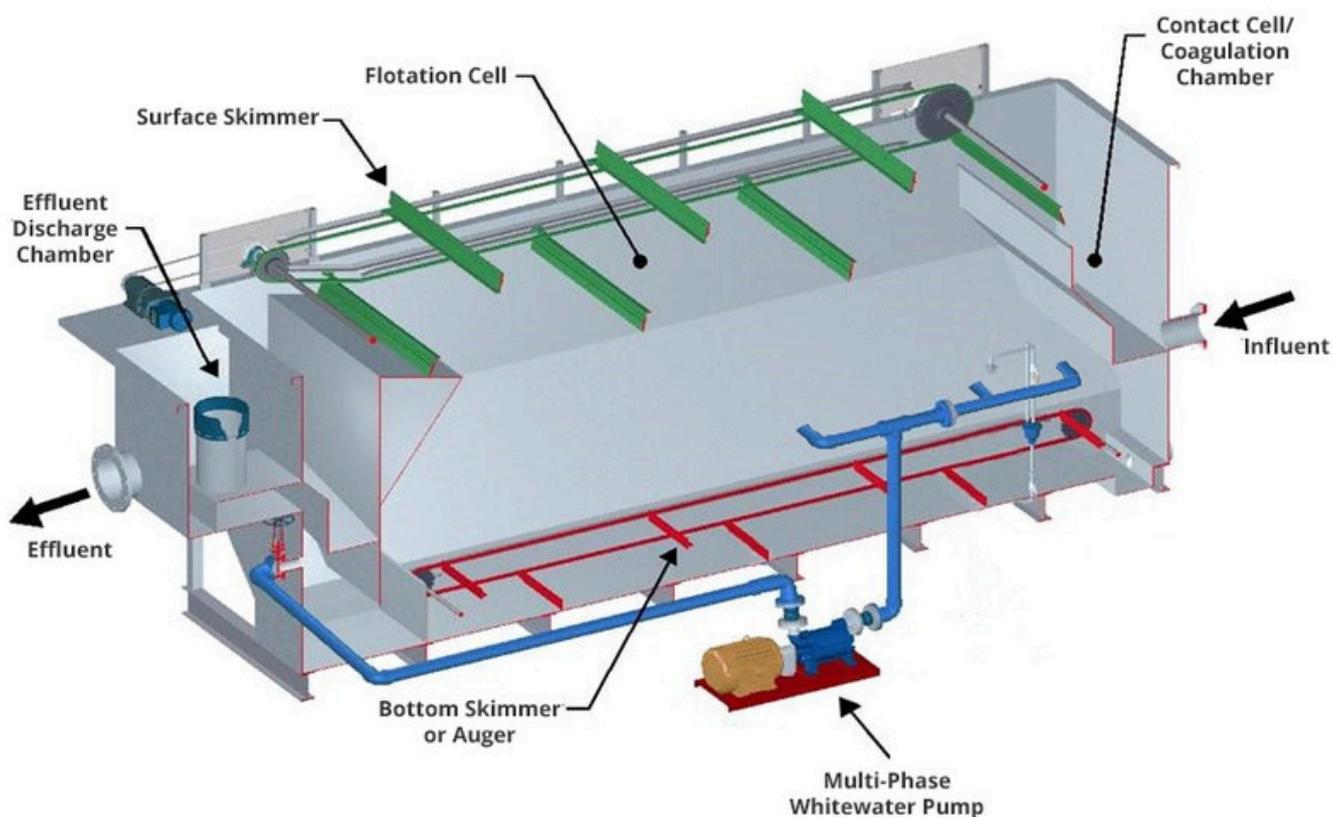


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#### How DAF Works

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.



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## SPECIFICATION PARAMETERS

### Model Reference

Model	Capacity (m <sup>3</sup> /h)	Total Dimension (mm)			Empty Load Weight (τ)	Full Load Weight (τ)	Reflux Pump (kW)	Air Compressor (kW)	Skimmer (kW)	Mixer 1 (kW)	Mixer 2 (kW)	Mixer 3 (kW)	Total Power (kW)
		L	W	H									
WT-DAF005	5	4360	1880	2630	3	8	3	0.55	0.1	0.55	0.55	0.55	5.3
WT-DAF010	10	4840	2060	2630	4	12	3	0.55	0.1	0.55	0.55	0.55	5.3
WT-DAF025	25	7480	2400	2940	5	21	3.7	0.75	0.1	0.55	0.55	0.55	6.2
WT-DAF050	50	9500	2890	3010	8	40	5.5	1.5	0.2	0.75	0.75	0.55	9.25
WT-DAF080	80	10540	3480	3610	10	60	7.5	1.5	0.2	1.1	0.75	0.75	12.15
WT-DAF100	100	11380	4170	3620	12	70	11	2.2	0.4	1.5	1.1	1.1	17.7

- The above models are our standard configuration, more detailed issues please consult our sales engineers.

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ฟองอากาศขนาดเล็ก (MICROBUBBLE)





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