



DISSOLVED AIR FLOATATION (DAF)



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IKAWA Dissolved Air Flotation (DAF) systems are designed to remove suspended solids (TSS), biochemical oxygen demand (BOD₅), and oils and greases (O&G) from a wastewater stream. Contaminants are removed through the use of a dissolved air-in-water solution produced by injecting air under pressure into a recycle stream of clarified DAF effluent. This recycle stream is then combined and mixed with incoming wastewater in an internal contact chamber where the dissolved air comes out of solution in the form of micron-sized bubbles that attach to the contaminants. The bubbles and contaminants rise to the surface and form a floating bed of material that is removed by a surface skimmer into an internal hopper for further handling.

ADVANTAGE :

1. Available in SUS 304 or 316 Stainless Steel and FRP Tank.
2. Rectangular profile for maximum space utilization.
3. Rugged tank design that will not flex.
4. Custom Applications.
5. Process Expertise and Proven Design.
6. Quality drive and pump components for long-term reliability.
7. Responsive Customer Service

APPLICATIONS :

1. Automotive Industry
2. Mining Industry
3. Oil and Gas Industry
4. Textile Industry
5. Food Processing
6. Beverages Factories
7. Metal Plating and Finishing
8. Paper and Pulp Industry
and Many more..

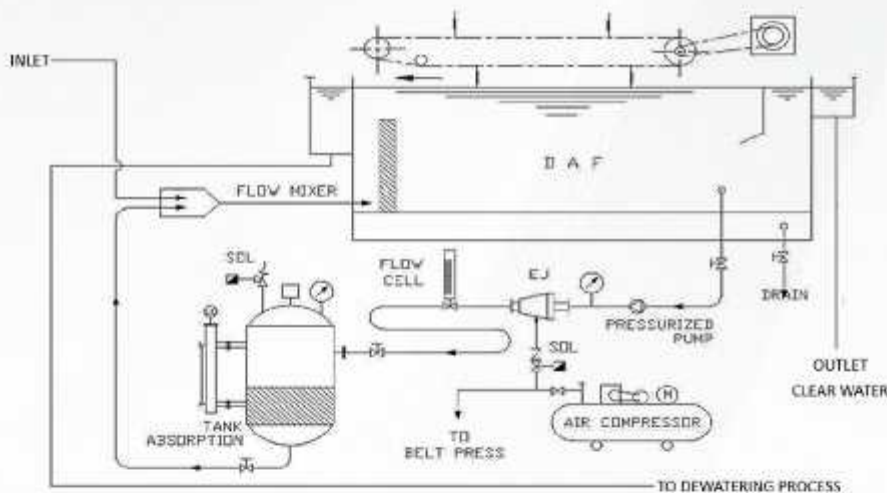


The IKAWA DAF systems offer superior performance in terms of wastewater quality and sludge dryness over other conventional dissolved air flotation units:

- Proven counter-current scraping system providing improved performance and drier sludge. Ability to handle very high solids or grease loadings using one of a range of select recycle systems to provide guaranteed air to solids ratios in all cases.
- Removal of heavy and neutral density particles whilst producing two distinct, easily separable phases – the treated water and surface sludge.
- Power and air consumption are very low, maintenance is infrequent and the volume of sludge generated is considerably reduced due to the system's inherent sludge thickening nature. Dry solids concentrations in the sludge can exceed 10 percent in certain applications, depending on the chemical program used.



FLOW PROCESS DISSOLVED AIR FLOTATION



TECHNICAL DATA

Model	Capacity (m ³ /hour)	L (mm)	W (mm)	H (mm)
ID-10	10	3000	1400	1600
ID-20	20	4000	1800	1600
ID-35	35	4350	2400	1950
ID-50	50	5650	2800	1950
ID-75	75	6950	2800	1950
ID-100	100	8450	2900	2050
ID-200	200	9800	3900	2450
ID-300	300	11800	4900	2450

**Dimensions are based on the main DAF body only

GALLERY



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Others Product:

1. Belt Press Machine
2. Multiplate Screw Press
3. Filter Press
4. Advance Oxidation Process (AOP)
5. Reverse Osmosis
6. Sludge Dryer
7. Air Pollution System
8. Mechanical Electrical
9. Chemical WWTP Supply