

《ULTRASPAN》

Ultra DAF

MODEL TF / RF



TF-80 for Food and Beverage Plant

Ultra DAF systems is designed for simple and continuous operation with low operator attendance. It is best implemented for fats, grease, suspended solids, colour removal and separation for both municipal and industrial applications. TF series concept is based on Traverse Flow design, where feed and discharge are in opposite side. For larger flow rate (> 10m³/h), a Reverse Flow (RF) series provides higher performance, hence minimise the footprint and larger solids capture. In RF series, the feed and discharge are in same side. Once the supernatant has reached the end of tank, it will flow downwards and in reverse direction to outlet (at same side of inlet). This innovative concept reduces all dead zone that normally found in clarification zone and maximizes the plant performance.

A proven air dissolving system, consists of air saturated tank and high pressure pump, produces high level of air saturation and extremely small micro bubbles in the contact chamber at the inlet of feed water. When the saturated water is introduced to the feed water, the micro bubbles attach to any particles in the water. This causes them to rapidly float to the surface of the DAF for removal by a sludge raking system, leaving only the clarified water behind. To date, there are more than 70 similar type plants has been successfully in operation.

Ultra DAF outcompetes other DAF for more compact design, simple construction, better quality clarified water, economical and high standard fabrication. All models are deliverable in normal shipment. The contractors can easily implement this system with simple instructions. Associated optional item as listed can be purchased and installed by others. Depending on the coagulant and flocculant dosage, Ultra DAF can easily achieve more than 90% TSS and Fats/Oil/Grease removal rate consistently. It can be also used as free fat removal process.

Standard Features

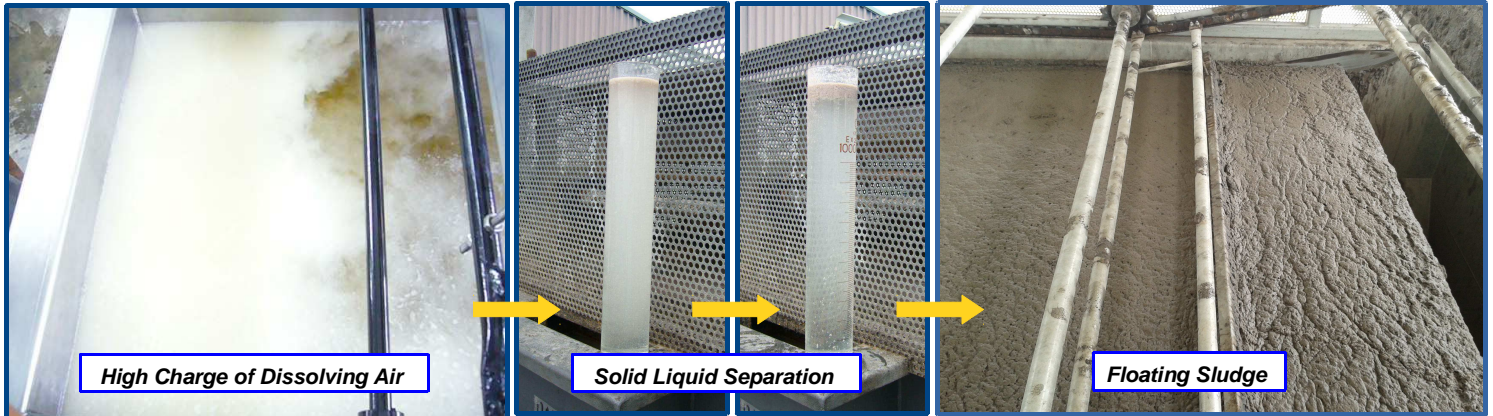
- SS 304 Safety Cage
- SS 304 Tank
- Internal Sludge Hopper
- Air Control Box
- Telfon / PP scrapping plate
- Mild Steel Chain and Sprocket
- Low Wear Scraping components
- SS304 Air Saturated Tank
- Gear Motor / Recirculation Pump
- SS304 Adjustable Weirs

Options

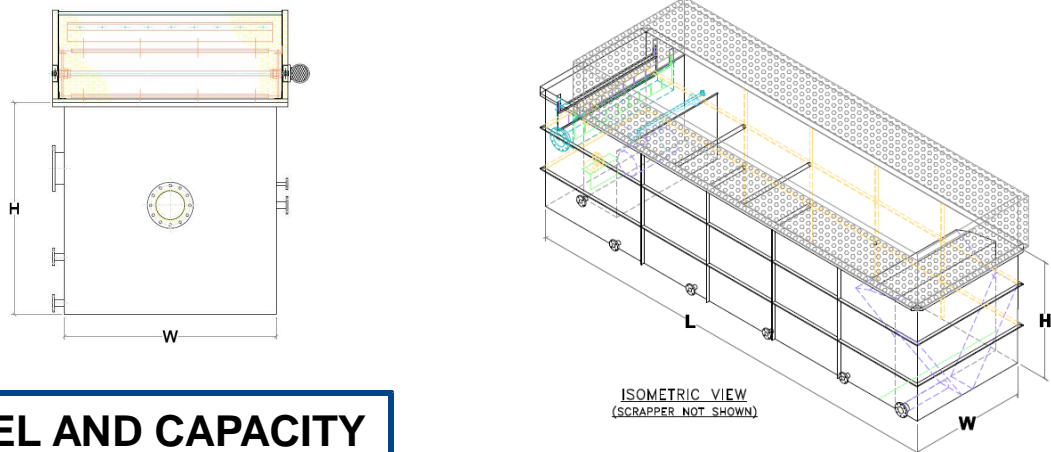
- Stainless Steel 316
- Electrical Control Box
- Electronic Overload
- Variable Speed Drive
- Time Delay Relay

APPLICATIONS

- Oil/Fat Refineries
- Canneries
- Petrochemical
- Textile / Leachate
- Food and Beverages
- Slaughterhouse/Abattoir
- Fish/Meat Processing
- Municipal Works
- Breweries/Dairies
- Pulp and Paper
- Pharmaceutical
- Water Recycle
- MBR Pre-Treatment
- MBBR Clarification
- Sludge Thickening



GENERAL ARRANGEMENT DIAGRAM



MODEL AND CAPACITY

Ultra DAF	Overall Tank Size			Shipment Weight	Operating Weight
Model	L (m)	W (m)	H (m)	kg	kg
TF - 4	2.5	1.3	0.9	400	3,900
TF - 10	3.0	1.2	1.1	500	5,300
RF - 15	3.5	1.2	1.2	700	7,000
RF - 20	4.0	1.5	1.2	900	10,000
RF - 30	4.5	1.5	1.5	1,250	14,000
RF - 40	5.2	1.5	1.5	1,300	16,000
RF - 50	5.2	1.5	1.8	1,600	19,000
RF - 60	5.8	1.8	1.8	1,800	26,000
RF - 70	6.3	1.8	1.8	1,800	28,000
RF - 80	6.8	1.8	1.8	2,000	30,000
RF - 90	7.7	1.8	1.8	2,500	34,000
RF - 100	7.0	2.4	1.8	2,800	41,000
RF - 120	8.5	2.4	1.8	3,300	50,000
RF - 150	10.0	2.4	1.8	4,000	58,800
RF - 200	13.0	2.4	1.8	4,700	76,000

Note: The details above is subjected to change without prior notice.