



Dissolved Air Flotation System



newterra's Dissolved Air Flotation System (DAF) improves solids handling and effluent water quality with its integrated sludge thickener and counter current sludge blanket. The **newterra** DAF system is a proven, highly effective method of removing suspended solids, oils & grease, turbidity, organics and other low-density solids from water or wastewater.

Optimized performance is obtained by the presence of a large number of bubbles generated by saturating the water with air at the submerged inlet to the floatation tank. This greatly increases the number of bubbles that are available to attach to contaminants compared to traditional DAF technology.

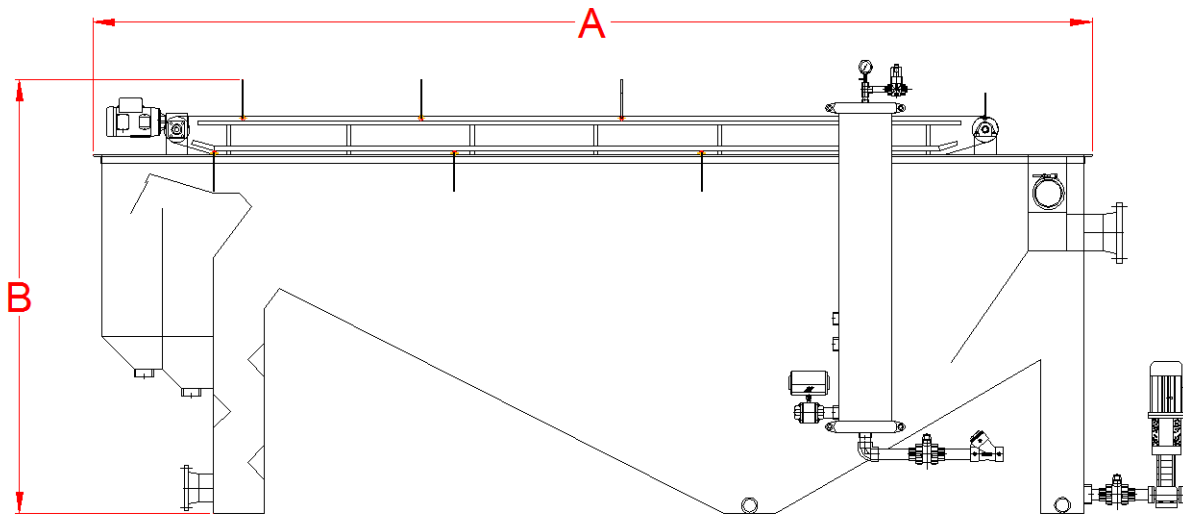
The **newterra** DAF system consists of a stainless steel tank and non-corrosive components. It is also available in a sanitary design for potable water or food applications. A stream of air continuously generates at the base of a floatation cell where it travels up the counter current of the flow going down. The counter current is produced from the solids of water being fed into the system.



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System Advantages

- Consistent effluent quality
- Reduction of sludge volume
- Reduced time to dewater
- Lower operating cost
- Stainless steel tank and non-corrosive components
- High sludge concentration
- Reduced chemical conditioning
- Smaller footprint
- Available in a sanitary design for food and potable applications



MODEL	WIDTH (m)	Flowrate Range (m ³ /h)	A (m)	B (m)	INLET (inch)	OUTLET (inch)
24/60 DAF	0.6	2 - 12	2.2	1.6	2	3
36/72 DAF	0.9	4 - 20	2.4	1.9	2	3
48/96 DAF	1.2	7 - 35	3.3	2.2	3	4
60/120 DAF	1.5	11 - 55	4	2.2	4	6
72/144 DAF	1.8	16 - 80	4.5	2.2	6	8
96/192 DAF	2.4	50 - 250	6	2.5	8	10