

Clarifiers

DAF units

OWS

Filter Presses

Packaged Lamella Dissolved Air Flotation (DAF) Units

Siltbuster's range of Packaged Lamella Dissolved Air Flotation (DAF) units are ideal for the removal of Solids, Fats, Oils and Greases (FOGs) from industrial waste water and hydrocarbons on environmental remediation projects.

Using established solids/liquid separation technology, the DAF units generate "whitewater" by dissolving air under pressure and then releasing the pressure to form microfine air bubbles.

Solids and other particulates preferentially attach to the air bubbles and rise to the surface of the DAF unit where they are collected, thickened and removed by a motorised scraper.

Treated water can then be reused or discharged off site as necessary.

Range of models available

- 1m³ to 150+m³/hr treatment capacity
- Integrated white water system
- Chemical pre-treatment and dosing systems available
- Full technical and process support
- Hire or Buy

Treatment Applications

- Industrial effluent
- Potable and process water
- Activated sludge thickening
- Municipal waste water
- Oil/hydrocarbon recovery

Technical Specification	Model		
	D10 DAF	D20 DAF	D100 DAF
Lamella plate area	10m ²	20m ²	100m ²
Sludge thickening area	0.6m ²	1.6m ²	8m ²
Unit size	Overall dimensions vary per model		
Material	Mild steel (EN10025 S275) shot blasted to min. SA2.5		
Surface protection	2 Pack High Solids Anti-Corrosive Epoxy Primer; Modified Acrylic External Finish; High Solids Glass Flake Epoxy Internal Finish		



D10 DAF



D20 DAF



D100 DAF

Transportable

Modular

Affordable

Rent a DAF – Process Solutions at your finger tips

Standard packaged units are available from our extensive hire fleet for short term treatment requirements, pilot trials, or site demonstration of the system prior to the purchase of a larger or bespoke system.



D100 DAF unit on food processing plant

Advantages of a Siltbuster DAF unit

- Lamella plate technology increases the effective area of the unit giving an enhanced hydraulic capacity
- A multi-phase side channel pump generates the “whitewater” in the unit and eliminates the need for a separate compressor and air saturation vessel – just plug in the power and start the operation
- Sturdy and compact with a significantly smaller footprint than most conventional units, they are easily transportable and available to rent
- All units can be provided with integral access platforms and chemical dosing systems, pipe flocculators, etc.



Multi-phase side channel pump and saturation vessel

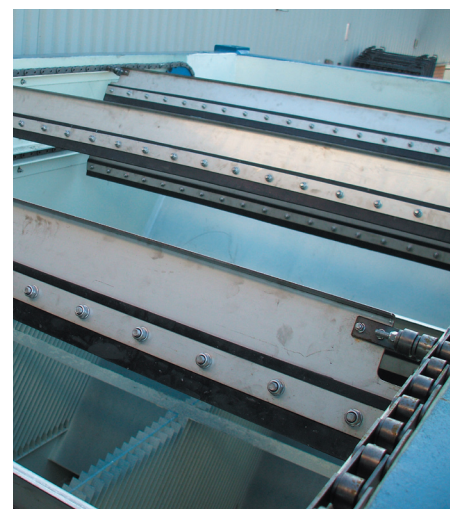
The *Siltbuster* range has been specifically designed for mobility and provides clients with a range of readily available equipment to:



Pipe Flocculator, under access walkway

- Augment existing treatment capacity during periods of abnormal loading
- Provide emergency treatment facilities in the event of equipment failure
- Provide temporary treatment whilst the facility is taken off line for repair/maintenance
- Enables large scale pilot plant trials

NB: Details of services and specifications may change without notice.
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Stainless Steel Sludge Scraper Blades