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.

### Technical Specification

<table>
<thead>
<tr>
<th>Model</th>
<th>D10 DAF</th>
<th>D20 DAF</th>
<th>D100 DAF</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lamella plate area (m²)</td>
<td>10</td>
<td>20</td>
<td>100</td>
</tr>
<tr>
<td>Sludge thickening area (m²)</td>
<td>0.6</td>
<td>1.6</td>
<td>8</td>
</tr>
</tbody>
</table>

### 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

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www.siltbuster.com

Unipure House, Wonastow Road West, Monmouth, NP25 5JA
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.

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.

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

• 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

D100 DAF unit on food processing plant

Multi-phase side channel pump and saturation vessel

Pipe Flocculator, under access walkway

Stainless Steel Sludge Scraper Blades

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