Dissolved Air Flotation (DAF) System
Pre-Engineered for Your Convenience

Modular Design -
For a “mix and match” approach that fits your needs

Quick Delivery -
We start building it the day you order it

Plug and Play -
Simply connect the unit to your system’s piping and wiring, and it’s ready to go

The flexible wastewater treatment solution that is ready when you need it.
Our pre-engineered DAF units come in several tank sizes and recycle rates, allowing our process experts to optimize both the tank area and recycle rate to fit our customer’s specific needs. We have standardized these around common processes, flow rates, and recycle rates, to provide a custom solution at an affordable price. The main components are skid mounted with the DAF unit to minimize installation requirements. They are also customizable with several options, including screw conveyor, standby pump, and material of construction.

Industries
Here are some of the types of operations that can become more cost-effective and efficient by using WesTech’s pre-engineered R5 DAF.

• Pulp Processors and Paper Manufacturers
• Municipal Water and Wastewater
• Dairies
• Food Processing Companies
• Refineries
• Breweries and Wineries
• Commercial and Industrial Laundries

Applications
Dissolved Air Flotation (DAF) is ideal in clarifying water and wastewater where the specific gravity of suspended solids or contaminants is close to or less than 1.0. These include oils, grease, algae, and other low density solids.

• Wastewater Clarification
• Sludge Thickening
• Product Recovery
• Filter Backwash Recovery
• Algae Removal

The R5 DAF units offer one more way for customers to benefit from WesTech’s
Why Buy Pre-Engineered

- To accommodate short lead times
- Lower up-front cost compared to custom unit
- In emergency situations, to get operations back online ASAP
- To avoid municipal wastewater treatment charges

Optional Additions

- Screw Conveyor
- 304 Stainless Steel
- 316 Stainless Steel
- Standby Recycle Pump
- Control Panel AC Unit

Example Cost Savings Analysis

<table>
<thead>
<tr>
<th></th>
<th>No Treatment</th>
<th>R5 Treated Effluent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Feed Rate</td>
<td>125 gpm</td>
<td>125 gpm</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>8,788,600 ft³/year</td>
<td>8,788,600 ft³/year</td>
</tr>
<tr>
<td><strong>Effluent Constituents</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BOD</td>
<td>1700 mg/L</td>
<td>1250 mg/L</td>
</tr>
<tr>
<td>TSS</td>
<td>700 mg/L</td>
<td>150 mg/L</td>
</tr>
<tr>
<td><strong>Municipal Wastewater Penalty Costs</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flow Rate</td>
<td>$ 1.24 /100 ft³ water</td>
<td>$ 1.24 /100 ft³ water</td>
</tr>
<tr>
<td>BOD</td>
<td>$ 3.13 /100 ft³ water</td>
<td>$ 2.54 /100 ft³ water</td>
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<tr>
<td>TSS</td>
<td>$ 0.93 /100 ft³ water</td>
<td>$ 0.27 /100 ft³ water</td>
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<tr>
<td>Total</td>
<td>$ 5.30 /100 ft³ water</td>
<td>$ 4.05 /100 ft³ water</td>
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<tr>
<td><strong>Utility Costs</strong></td>
<td></td>
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<tr>
<td>Recycle Pump (20 hp)</td>
<td>$10,551/year</td>
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<tr>
<td><strong>Total Yearly Costs</strong></td>
<td>$ 465,795/year</td>
<td>$ 366,489 /year</td>
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<tr>
<td><strong>Yearly Cost Saving</strong></td>
<td>$ 99,306 /year</td>
<td></td>
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</tbody>
</table>

40+ years of experience and exceptional customer service.