**ECOLOGIX ITS-1500 (Emerald DAF 820)** System Specifications

1. **Shipping WT:** 14,500 lbs (approx)
2. **Operating WT:** 103,000 lbs (approx)
3. **Design Parameters:**
   - DAF Design Flow Rate: 1540 gpm
   - Loading Rate: 0.64 gpm/ sq. ft. of projected area
   - Maximum TSS @ Designed Flow Rate: 1440 mg/ l
   - Projected Surface Area: 2405 sq. ft.
4. **Material of Construction:**
   - Tube Settlers Material of Construction: Polyprolyne
   - Rubber
   - Flight Material of Construction: SS 316/ Buna or EPDM Scraping Rubber
   - All anchor material to be 1/2" SS 304
   - All Structure to be Rectangular Tubing 3" x 2" x 11 ga SS 304
   - All non-metal piping materials to be PVC Sch80
   - All metal piping to be Sch 10 - pipe SS 316
   - All flanges: ANSI 150# ANSI flanges ASTM A-182 - ANSI B16.5
   - All wetted metal materials to be SS 316
   - All non-wetted metal materials to be SS 304
5. **Equipment Information:**
   - Fed MIG machine or TIG where applicable
   - Welding equipment/ supplies for sheet metal and structural elements:
     - All welds to conform to AWS applicable specification(s)
6. **Coating:**
   - All electric power elements are in accordance with OSHA regulations
   - All moving parts are inaccessible, as required by OSHA
7. **Welding:**
   - Yellow Handrails and Alternating Tread Stairs
   - Mezzanine Platform to be carbon steel painted Grit Black with Safety Yellow Handrails
   - All stainless steel parts are sandblasted
   - All welding to conforms to AWS applicable specification(s)
   - Welding equipment/ supplies for piping and fittings: TIG or MIG
8. **Equipment Information:**

<table>
<thead>
<tr>
<th>Equipment</th>
<th>Brand</th>
<th>Power</th>
</tr>
</thead>
<tbody>
<tr>
<td>Whitewater Pump</td>
<td>Pioneer</td>
<td>40 hp</td>
</tr>
<tr>
<td>Sludge Pump</td>
<td>Boerger</td>
<td>3 hp</td>
</tr>
<tr>
<td>Scraper Motor</td>
<td>SEW</td>
<td>1/2 hp</td>
</tr>
</tbody>
</table>

**Note:** To convert to ITS 1500, Influent & Effluent Pump: TBD

For additional information, please visit www.ecologixsystems.com

**Floctubes Size (For ITS 1500)**

<table>
<thead>
<tr>
<th>Model</th>
<th>QPM (Min)</th>
<th>QPM (Max)</th>
<th>L (ft)</th>
<th>W (ft)</th>
<th>H (ft)</th>
</tr>
</thead>
<tbody>
<tr>
<td>FLT-1210</td>
<td>1100</td>
<td>2000</td>
<td>23' 8&quot;</td>
<td>16&quot;</td>
<td>10' 11&quot;</td>
</tr>
</tbody>
</table>

**Equipment Brand Power**

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**Dimensions**

- OVS LENGTH
- DAF VESSEL LENGTH
- Flotation Zone Length
- Control Panel with HMI
- Efluent Pump Discharge
- Scraper System with Housing
- Alternating Tread Stairs
- Salvation Tank
- Contact Chamber
- Sludge Holding Chamber
- Whitewater Pump
- Influent Connection 12" ANSI Flange Class 150
- Control Panel with HMI
- Sludge Pump

**Contact Information**

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www.ecologixsystems.com

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