ECOLOGIX EMERALD ITS - 200 DAF System Specifications:

1. SHIPPING WT = 5800 lbs
2. OPERATING WT = 20100 lbs
3. DESIGN PARAMETERS:
   - DAF Design Flow Rate: 200 gpm
   - Floctubes Design Flow Rate: 40 to 110 GPM
   - Loading Rate: 0.64 gpm/sq. ft, of projected area
   - Solid Loading Rate: 1.8 lbs/sq. ft. hr.
   - Maximum TSS @ Designed Flow Rate: 1440 mg/l
4. MATERIAL OF CONSTRUCTION:
   - All stainless steel parts are sandblasted
   - All non-wetted metal materials to be SS 304
   - All non-metal piping materials to be PVC Sch80
   - All metal piping to be Sch 10 - pipe SS 304
   - All anchor material to be 1/2” SS 304
   - All structural beams to be Rectangular Tubing 3” x 2” x 11 ga SS 304
   - All welds to conform to AWS applicable specification(s)
5. SAFETY AND HEALTH:
   - All welding equipment/ supplies for sheet metal and structural elements: Wire fed MIG machine or TIG where applicable
   - All electric power elements are in accordance with OSHA regulations
6. COATING:
   - All moving parts are inaccessible, as required by OSHA
   - All A-36 ASTM Carbon Steel parts to be power coated with Performance Polymer Alloy Coating Plastcoat PPA 571 ES
7. WELDING:
   - All welds to conform to AWS applicable specification(s)
   - Welding equipment/ supplies for piping and fittings: TIG or MIG
8. SCRAPER MOTOR:
   - Size: 1.5” Hollow Shaft
   - Brand: SEW
   - Power: 1/2 hp
   - Output Speed: 18 rpm
   - Power Supply: 460V 60Hz 3 phase
9. SCRAPER MOTOR:
   - Size: 1.5” Hollow Shaft
   - Brand: Pioneer
   - Model: SC32C10L71 (3” x 2”)
   - Power: 10 hp
   - Output Speed: 3450 rpm
   - Power Supply: 460V 60Hz 3 phase
10. WHITEWATER PUMP:
    - Brand: Pioneer
    - Model: EFQT2 (2” x 2”)
    - Power: 1/2 hp
    - Output Speed: 2150 rpm
    - Power Supply: 460V 60Hz 3 phase
    - Maximum Solid Size: 2 1/2”
11. INFLUENT PUMP:
    - Brand: Wilden
    - Model: 2” Flapper Valve Pump XPX810
    - Maximum Flow Rate: 169 GPM
12. SLUDGE PUMP:
    - Brand: Wilden
    - Model: 2” Flapper Valve Pump XPX810
    - Maximum Flow Rate: 169 GPM

Available Floc Tubes Sizes

<table>
<thead>
<tr>
<th>Number</th>
<th>Min. Flow Rate (GPM)</th>
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<tr>
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EMERALD ITS-200