ucd® lml
lamellar clarification + filtration

- surface water and groundwater

Operating principle
- coagulation-flocculation & clarification
  - Accelerated separation of the water and flocs by passing them through lamellar modules.
  - Sludge is collected at the bottom of the clarifier and discharged by automatic extractions.
  - Equal distribution of the flow from downstream ensures the homogeneity of the clarification speed over the whole surface of the structure (patented method).

Filtration
- Sand pressure filtration with manual or automatic filter backwashing.

Applications
- Medium turbidity water (coloids, colours, etc.) (up to 500 mg SS/l)
- Generally for river or dam water
- Filtration of groundwater

Functions
- Elimination of suspended solids and colloidal particles
- Water treated in accordance with current drinking water standards

Standard
- Production pressure of 0.5 bar
- Automatic sludge extraction
- PLC-based automation

Optional
- Pre-oxidation (aeration or chemical oxidation)
- Adaptable production pressure
- Chlorine gas
- Automatic filter backwashing
operating diagram

technical characteristics

<table>
<thead>
<tr>
<th>UCD® LML model</th>
<th>unit</th>
<th>5</th>
<th>10</th>
<th>15</th>
<th>20</th>
<th>30</th>
<th>50</th>
<th>80</th>
<th>100</th>
<th>180</th>
<th>200</th>
<th>250</th>
<th>360</th>
<th>540</th>
<th>720</th>
<th>960</th>
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</thead>
<tbody>
<tr>
<td>Production/day (23h/24h) m³/d</td>
<td>115</td>
<td>230</td>
<td>345</td>
<td>460</td>
<td>690</td>
<td>1150</td>
<td>1840</td>
<td>2300</td>
<td>4140</td>
<td>4600</td>
<td>5750</td>
<td>8280</td>
<td>12420</td>
<td>16560</td>
<td>22080</td>
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<tr>
<td>Instant flow rate m³/h</td>
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<td>15</td>
<td>20</td>
<td>30</td>
<td>50</td>
<td>80</td>
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<td>540</td>
<td>720</td>
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<td>Power consumption kW elec</td>
<td>4</td>
<td>5</td>
<td>5</td>
<td>5</td>
<td>6</td>
<td>8</td>
<td>12</td>
<td>16</td>
<td>16</td>
<td>27</td>
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<td>28</td>
<td>48</td>
<td>66</td>
<td>85</td>
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<tr>
<td>Pressure of treated water bar</td>
<td>0,5 à 2</td>
<td>0,5 à 2</td>
<td>0,5 à 2</td>
<td>0,5 à 2</td>
<td>0,5 à 2</td>
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<tr>
<td>Number of skids</td>
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<td>1</td>
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<td>1</td>
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<td>7</td>
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<tr>
<td>Overall dimensions m x m</td>
<td>5.5x2.6</td>
<td>6.2x2.6</td>
<td>8.3x2.6</td>
<td>9.7x2.6</td>
<td>12.2x2.6</td>
<td>9.7x5.8</td>
<td>13.4x5.7</td>
<td>15.5x6.5</td>
<td>23.3x6.3</td>
<td>26.4x6.3</td>
<td>26.2x10.5</td>
<td>4.8x11.5</td>
<td>45.3x12.8</td>
<td>45.3x16.0</td>
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</table>

contacts

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services and after-sales
A team is available to you for the pilot study, installation, commissioning and maintenance of the plant.