Westpro’s versatile FLOTATION MACHINES are specially developed for a vast range of applications.

- Mineral separation
- Industrial minerals
- Soil remediation
- Environmental

**FL500 5-Cell Tank**

**Examples of Multi-cell Volumes**

<table>
<thead>
<tr>
<th>Model</th>
<th>ft³ / Cell</th>
<th>m³ / Cell</th>
<th>Motor HP</th>
<th>4-Cell ft³</th>
<th>6-Cell ft³</th>
<th>4-Cell m³</th>
<th>6-Cell m³</th>
</tr>
</thead>
<tbody>
<tr>
<td>FL .5</td>
<td>0.5</td>
<td>0.014</td>
<td>½ HP</td>
<td>2</td>
<td>3</td>
<td>0.056</td>
<td>0.084</td>
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<tr>
<td>FL3</td>
<td>3</td>
<td>0.085</td>
<td>3 HP Dual Drive</td>
<td>12</td>
<td>18</td>
<td>0.34</td>
<td>0.51</td>
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<tr>
<td>FL12</td>
<td>12</td>
<td>0.283</td>
<td>5 HP Dual Drive</td>
<td>48</td>
<td>72</td>
<td>1.36</td>
<td>2.04</td>
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<tr>
<td>FL24</td>
<td>24</td>
<td>0.706</td>
<td>10 HP Dual Drive</td>
<td>96</td>
<td>144</td>
<td>2.72</td>
<td>4.08</td>
</tr>
<tr>
<td>FL50</td>
<td>50</td>
<td>1.410</td>
<td>15 HP Dual Drive</td>
<td>200</td>
<td>300</td>
<td>5.66</td>
<td>8.50</td>
</tr>
<tr>
<td>FL100 100</td>
<td>2.830</td>
<td>15 HP</td>
<td>400</td>
<td>600</td>
<td>11.32</td>
<td>16.99</td>
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</tr>
<tr>
<td>FL200 200</td>
<td>5.100</td>
<td>10 HP Dual Drive</td>
<td>800</td>
<td>1200</td>
<td>22.64</td>
<td>33.96</td>
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<tr>
<td>FL300 300</td>
<td>8.900</td>
<td>30 HP</td>
<td>1200</td>
<td>1800</td>
<td>34.00</td>
<td>51.00</td>
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<tr>
<td>FL500 500</td>
<td>14.160</td>
<td>50 HP</td>
<td>2000</td>
<td>3000</td>
<td>56.64</td>
<td>84.96</td>
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</tr>
</tbody>
</table>

**Open flow or cell to cell configuration**

- Heavy-duty construction
- Low maintenance
- Efficient operation
- Replaceable wear components
- Single or double overflow

**Heavy Duty Tank**

**FL50 Installation**

**300 ft² Flotation Mechanism**

1. **Heavy Duty Tank Construction**
   - Mild steel with optional coatings
   - Stainless steel (optional)
   - I-Beam support structure on larger models

2. **Removable Wear Liners**
   - Rubber covered bottom liners
   - Abrasion resistant side liners

3. **Superstructure**
   - Supports mechanisms
   - Provides air header for open flow models

4. **Mechanism**
   - Heavy-duty spindle bearing assembly
   - Heavy-duty bearings
   - Low maintenance
   - Heavy constructed standpipes
   - Urethane or rubber impeller and diffusers
   - Special coating of all wetted parts (optional)

5. **V-Belt Drive**
   - V-Belt sets
   - Sheave sets
   - Drive guards

6. **Feed Box**
   - Welded to tank for no leak operation
   - Includes wear liners

7. **Transition Box**
   - Controlled weir bar assembly
   - Controlled dart valve assembly

8. **Discharge Box**
   - Controlled weir bar assembly
   - Controlled dart valve assembly
   - Discharge nozzle

9. **Froth Paddle Assembly (optional)**
   - Direct drive
   - Solid shaft
   - Poly blades
   - Bearing support blocks

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