SuperCELL™

The SuperCELL™ is a heavy duty, light weight, one piece C-Cell anode cell designed for optimum paint coverage in large electrocoat paint tanks. SuperCELL offers incredible efficiency and performance with 100% of the cell facing the job and is thus the most economic option for large volume paint tanks.

FEATURES AND BENEFITS

Lower Operating Costs-
- Increased amps per square foot and subsequent 50% savings in electrical power usage provide for dramatic reductions in operating costs

Better Coverage-
- More throw angles mean greater coverage and longer paint times in monorail systems.

Easy To Use & Maintain-
- Heavy duty, light weight, and in one piece to ensure easy lifting and simple power cable connections.

Flexibility For Your Tank-
- Available in four different sizes, including a low profile option for tanks with limited clearance between the part and tank wall.

SUPER CELL DESIGN

- A one piece anode cell
- Designed for ease in lifting and connecting to the power cable
- Weighs less than 1/3 of a standard flat cell
- No welds below the anolyte fluid to prevent failure due to submerged mechanical or welded connections
- Made from 10 gauge or 3/16” thick 316L stainless

BETTER THROW ANGLES

The SuperCELL offers a greater range of electrical “throw angles” vs. flat cells. A greater variety of throw angles can significantly improve the coating quality and coverage in hard to reach areas of the part.

More throw angles also allow the anode to start painting sooner in monorail systems.

MATERIALS OF CONSTRUCTION

- Heavy Duty molded FRP back and PVC body
- FRP, PVC, and SS hardware
- PVC back on Membrane Module
- Polypropylene mesh membrane protector

ELECTRODE

- 316L Stainless Steel
- Available in 3 sizes:
  - Effective area 1.3 sq. ft/ft, Standard Size
  - Effective area 1.0 sq. ft/ft, Low Profile Size
  - Effective area 1.5 sq. ft/ft, High Surface Area Size

STANDARD ACCESSORIES

- Flow meters
- Supply and return tubing
- Stainless Steel mounting clamps

Performance

<table>
<thead>
<tr>
<th></th>
<th>Standard Flat Cell (16 Sq. Ft)</th>
<th>Arelco Synder SuperCELL (7.1 Sq. Ft)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minimum Output</td>
<td>29 amps</td>
<td>23 amps</td>
</tr>
<tr>
<td>Maximum Output</td>
<td>62 amps</td>
<td>44 amps</td>
</tr>
<tr>
<td>Output Coulombs (in 40 seconds)</td>
<td>1800</td>
<td>1358</td>
</tr>
<tr>
<td>Average Output (per sq. ft/min)</td>
<td>168 coulombs</td>
<td>287 coulombs</td>
</tr>
<tr>
<td>Average Distance of Effective Coating</td>
<td>15.4 ft</td>
<td>20.6 ft</td>
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</tbody>
</table>

TEST DATA:
Test conducted during actual production where data was taken from both flat and Synder 1.3 SuperCELLs of the same length positioned adjacently from one another.