

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

70% increase in 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.

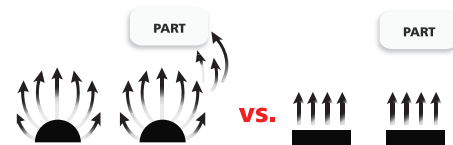
Flexibility For Your Tank

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

SUPER CELL DESIGN

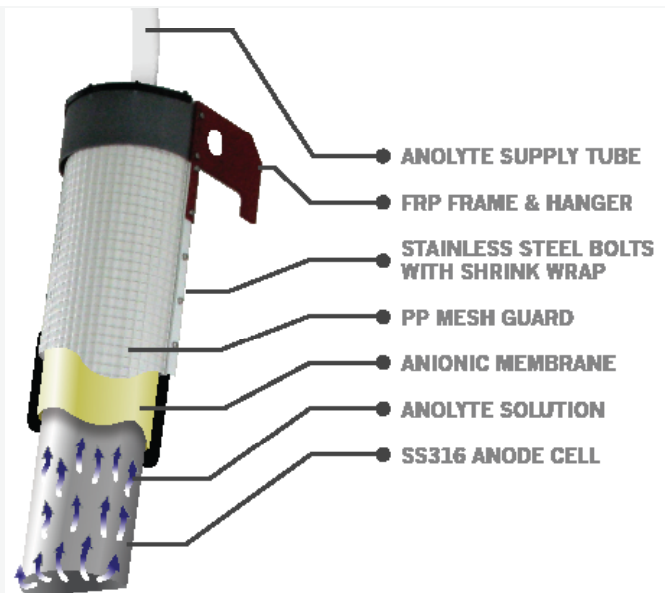
- A one piece anode cell
- Designed for ease in lifting and connecting to the power cable
- Weighs less than 1/3 of a standard flat cell
- No welds below the anolyte fluid to prevent failure due to submerged mechanical or welded connections
- Made from 10 gauge or 3/16" thick 316L stainless less

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	Standard Flat Cell (16 Sq. Ft)	Arelco Synder SuperCELL (7.11 Sq. Ft)
Minimum Output	29 amps	23 amps
Maximum Output	62 amps	44 amps
Output Coulombs (in 40 seconds)	1800	1358
Average Output (per sq. ft/min)	168 coulombs	287 coulombs
Average Distance of Effective Coating	15.4 ft	20.6 ft

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.