

SuperCELL™

Synder Filtration's SuperCELL™ is a heavy duty, lightweight, one piece C-Cell anode cell designed for optimum paint coverage in large electrocoat paint tanks. It 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 savings in electrical power usage provide for dramatic reductions in operating costs vs. box cells

Better Coverage

More throw angles mean greater coverage and longer paint times in monorail systems

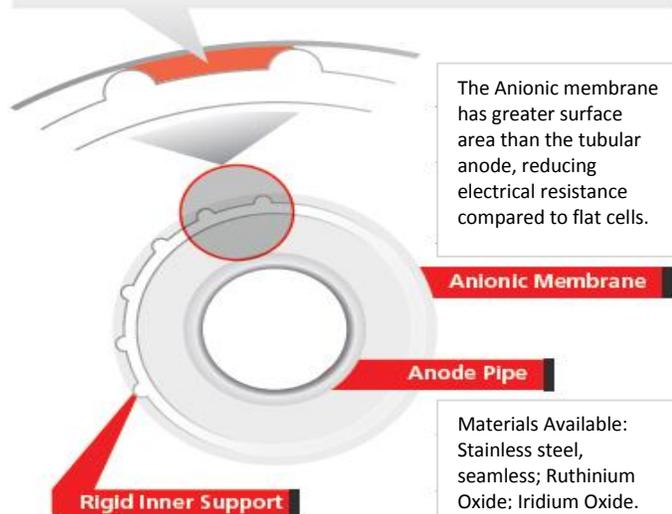
Easy to Use & Maintain

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.

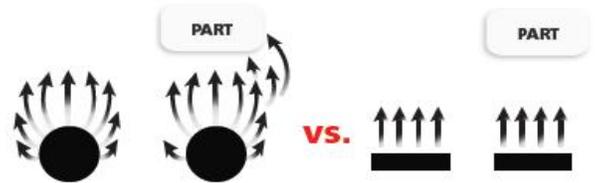
Annular space between membrane and inner support greatly improves rinsing of membrane to reduce foulants, such as iron oxide. This in turn minimizes build up of electrical resistance on the membrane.



SUPER CELL DESIGN

- Semicircular anode & membrane
- 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 steel

BETTER THROW ANGLES



The Super CELL™ 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.

CONTACT US

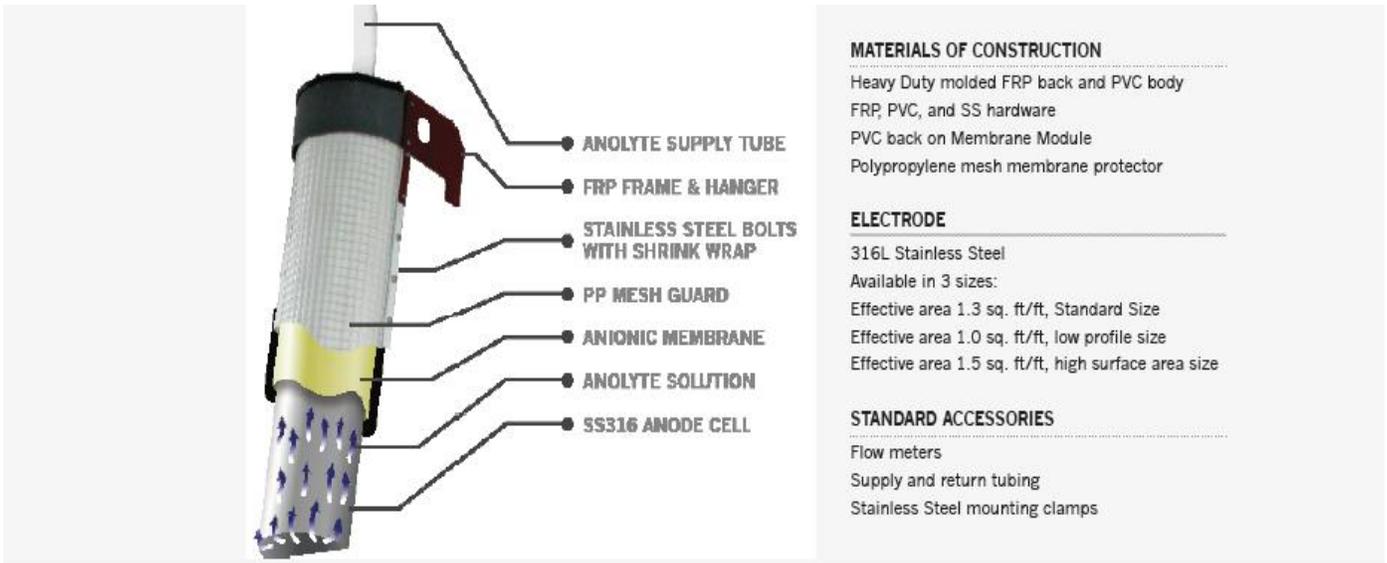


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All inquiries will be responded to by a Synder employee personally within 24 hours.



ANODE CELL EXAMPLE



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.

ANOLYTE RECIRCULATION SYSTEM

Synder Filtration's Anolyte Recirculation System offers advanced conductivity controllers, ultrasonic level sensors, and UV systems to meet the needs of both automotive and industrial E-Coat applications. These can be customized to fit your specific requirements.

