

TechCELL™

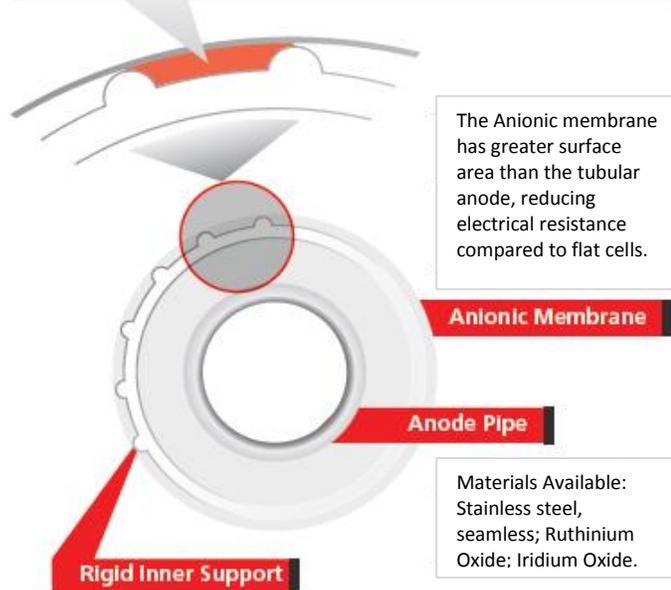
Synder Filtration's TechCELL™ anode cell was specifically designed to optimize the electrocoating process. The tubular anode cell design is the preferred style for smaller industrial E-Coat lines.

TUBULAR CELL FEATURES AND BENEFITS

- More throw angles
- Larger membrane area, longer life leading to lower capital & operating costs
- Built-in cleaning mechanism
- Easy to use & maintain
- Flexibility for your tank
- Custom designs for different tanks and configurations
- Roof cells & hollow cells available

CROSS SECTION OF MEMBRANE SHELL

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.



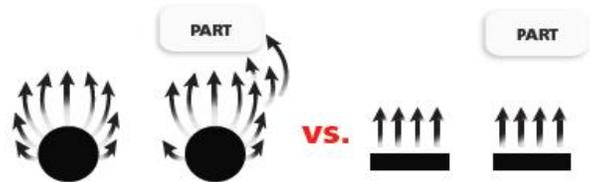
WHAT IT DOES

Anolyte cells serve as an opposing electrode for the part being painted, as well as an acid removal device.

HOW IT WORKS

Equipped with a robust anionic membrane, the electrical charge on these cells transport the excess acid in the paint bath to an anolyte recirculation system.

BETTER THROW ANGLES



Tubular (Round) Anodes offer 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

Anode Model **T200G-1500-1800-S40WD**

Effective Length (Membrane & Anode) (mm or in)

Total Length (mm or in)

Anode Construction
 WD = Welded
 SMI S = Seamless
 IrO = Iridium Oxide
 Titanium
 RuO = Ruthinium Oxide

Anode Thickness
 S10
 S40
 S80

Nominal Outer Diameter
 T150 = 1.5" OD Open Top
 TCX150 = 1.5" OD Closed Top
 T150FBA = 1.5" Floor Bare Anode
 T150GFLL = 1.5" Guard Flanged Cell
 T200 = 2" OD Open Top
 TCX200 = 2" OD Closed Top

STANDARD PARTS INCLUDED WITH SHELL ONLY
 Polypropylene Outerguard
 2 Unistrut Mounting Clamps

STANDARD PARTS INCLUDED WITH EACH COMPLETE ANODE CELL
 5ft Anolyte supply tube (clear PVC 3/8")
 5ft Anolyte return tube (clear PVC 1/2")
 6" electrical lead wire with Anderson power pole Quick Disconnect
 Polypropylene Outerguard
 2 Unistrut Mounting Clamps

ADDITIONAL PARTS
 Anderson power pole mating cable

TechCELL NAMING CONVENTION

TechCELL Model & Size add G for Guard	Dash	Effective Length Inches or millimeters	Dash	Overall Length Inches or millimeters	Dash	Material 316 Stainless Steel s80 - s40 - s10 IrO - RuO	Material Type Welded or Seamless	Dash	EXTRA Designation Floor & Roof ONLY Vertical Rise
TCX150	-	101	-	111	-	s40	WD	-	
T150GFLL	-	73	-	98	-	s10	SMLS	-	U24
T200G	-	115	-	130	-	s10	WD	-	

TechCELL MODELS & SIZE

TCX = Closed Top Cell - Union style
 TCC = Closed Top Cell - Quick Clamp style
 T = Open Top Style
 150 = 1.5" Anode nominal (1.9" OD)
 200 = 2.0" Anode nominal (2.4" OD)
 add G after = Optional Guard
 FFL flanged floor designation T200FL = FLOOR CELL
 FRI flanged roof designation T150RI = ROOF CELL
 FBA flanged bare floor designation - BARE FLOOR
 UFI = union floor designation
 URF = union roof designation

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.

