

FAST EDcell™

T-15 & T-20 Series Tubular Anolyte Cells (TAC) for Cathodic E-Coat Applications

Benefits

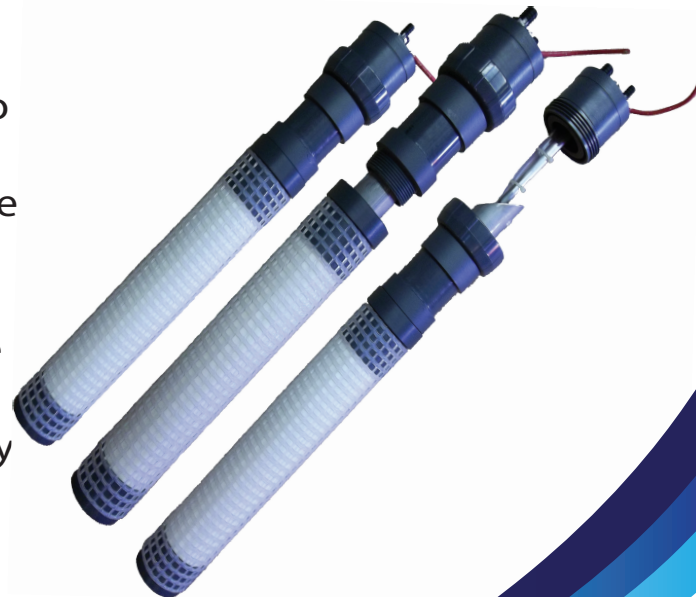
- Save up to 45% by replacing membrane section only
- Largest effective membrane area
- Closed top design can be mounted vertically or horizontally
- Full rotatable anode on closed and open tops
- Robust Construction
- Submersible Electrodes
- High Electrical Efficiency

Industries Serviced

- | | |
|----------------------|--------------|
| E-coat paint systems | Automotive |
| Appliance | Agricultural |
| Lawn and Garden | |
| Heavy Equipment | |
| Aerospace | |
| Furniture | |
| Decorative Hardware | |

Savings Example

The EDcell is a robust and energy saving fully rotatable anode that does not require disassembly to ensure even wear and longer life. The design allows for separation of the membrane from the neck for the easy replacement of torn membrane therefore reducing complete replacement costs. The EDcell – TAC also features a clean anolyte fluid feed down the center of the anode that prevents clogging and improved flow around the anode. The high efficiency membrane is supported and protected with heavy duty protective mesh providing added durability. FAST's flushable EDcell maintains optimum paint conditions by extracting counter ions from the paint bath as it also serves as a counter electrode with minimal electrical resistance.



Anolyte Cell Design

Materials of Construction

Body – Heavy Duty PVC
Membrane Protector – PP
Membrane Support – PP
Electrode

Seamed 316 L SS
Seamless 316 L SS
TiO₂

Type	Anode Diameter	Effective Area
T-15	1.875"	0.49 ft ² /ft 0.15 m ² /m
T-20	2.375"	0.62 ft ² /ft 0.19 m ² /m

Membrane

Pre-expanded ion exchange resin
High Effective Surface Area
For Cathodic and Anodic Paints

Dimensions

Maximum Outer Shell Diameter
T-15 3.47" (88.14mm)
T-20 4.06" (103mm)
Effective Length – to 120" (366 cm)

Accessories

Flow meters with valve
Supply and return tubing
Mounting clamps
Inlet and outlet connections
Electrical wire
Electrical quick disconnects

Open Top Cell

The EDcell open top is designed for economy, simplicity, and effectively. This design combines state-of-the-art ion exchange membrane with tried and true cell construction. This combination provides effective counter ion removal with excellent electrical efficiency and long life. The rotatable anode concept allows the anode to be evenly eroded over its surface extending anode life.

Closed Top Cell

The closed top EDcell is one of a few designs that allow the anode to be rotated without disassembly for ease of rotation and longer anode life. Like the open top cell this design combines state-of-the-art ion exchange membrane with tried and true cell construction for economy, simplicity, and effectively. The design allows effective use of the membrane and anode for efficient counter ion removal and electrical usage.

Optional Configurations

- Submersible Cells
Same features as the side cells except completely submersible. Available in custom sizes and formats. Available in both bare anode and membrane style cells. Appropriate mounting hardware is also available.
- Overhead Cells
Same features as the side cells available in custom sizes. Mounting hardware is available.
- Bare Electrodes
- Cells without Electrodes