



DRAFT

UFS Corporation

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Technical Reference

Topic: TECTRON™ vs. TECTRON2™ vs. XCell™ Comparison

	TECTRON	TECTRON2	XCell
ELECTRODE			
Material	Schedule 40, 316L, stainless steel is standard. Other schedules or types are available on request.	Schedule 40, 316L, stainless steel is standard. Other schedules or types are available on request.	Schedule 10, 316L, stainless steel is standard.
Outside Diameter	50 mm (1.9 inch)	60.3 mm (2.375 inch)	60.3 mm (2.375 inch)
Inspection	Lightweight, two-part design allows for Cells to be installed, removed, or inspected by one or two people.	Lightweight, two-part design allows for Cells to be installed, removed, or inspected by one or two people.	Lightweight, two-part design allows for Cells to be installed, removed, or inspected by one or two people.
ANOLYTE			
Anolyte Flow	Uniform. Optimal flow completely around Electrode; no dead spots.	Uniform. Optimal flow completely around Electrode; no dead spots.	Uniform. Optimal flow completely around Electrode; no dead spots.
Individual Anolyte Flow Indicators	Yes	Yes	Yes
MEMBRANE			
Types	Highest quality ion-exchange membrane, specifically designed by UFS and manufactured for use in ED paints.	Highest quality ion-exchange membrane, specifically designed by UFS and manufactured for use in ED paints.	Generic ion-exchange membrane used. There tends to be more variation in the quality of the membrane.
Replacement	Can replace shell or repair small tears/cuts in membrane shell.	Can replace shell or repair small tears/cuts in membrane shell.	Tight fitting guard cannot be replaced.
HOUSING			
Construction	One-piece PVC and PP, therefore no joints or holes that can leak.	One-piece PVC and PP, therefore no joints or holes that can leak.	One-piece PVC and PP, therefore no joints or holes that can leak
Submersible	Yes, can be completely submerged.	Yes, can be completely submerged.	Yes, can be completely submerged.
MISCELLANEOUS			
Membrane Guard	Guard effective against membrane cuts. Guard design does not blind membrane.	Guard effective against membrane cuts. Guard design does not blind membrane.	???
Location Flexibility	Can move Cells as needed during installation to avoid obstructions.	Can move Cells as needed during installation to avoid obstructions.	Can move Cells as needed during installation to avoid obstructions.
Dirt Creation	Paint solids flow completely around the Cell. No dirt created.	Paint solids flow completely around the Cell. No dirt created.	Paint solids may get caught in the close fitting guard.
Fault Tolerance	If one is shut down, there is minimal loss of anode area and minimal stress on surrounding Cells.	If one is shut down, there is minimal loss of anode area and minimal stress on surrounding Cells.	If one is shut down, there is minimal loss of anode area and minimal stress on surrounding Cells.
Warranty	One year from date of shipment.	One year from date of shipment.	Limited, 90 days materials and

