CYLINDER "CONICAL" CELL TECHNOLOGY

THE NEXT GENERATION
**the BIG DIFFERENCES**

**Cell Technology**

**Performance | Design | ⚠️⚠️**

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**Cylinder Cell Technology**

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**Kirkmayer® North America**

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**The Next Generation**

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**Cell Design and Performance**

- Outdated classic cylinder design - considered old technology
- Etching and corrosion on the threads may occur at the end of the anode within a 3 - 6 month
- Overheating of cells could become a Fire Hazard. No cure for overheating of cell. Predominantly more noticeable in larger capacity cells
- Cell expansion caused from overheating causes “Plexiglass” Caps to crack and leak
- Once damaged the cells cannot be repaired - Must be discarded and replaced
- Typical warranty on these types of cells are only 1 year
- Cells are normally made from “Inferior Grade Material: Cathodes made from inox metal instead Titanium

- **MOST ADVANCED Cylinder “Conical” Design** of anode flange. Patent Pending on Design and on the Method
- **No Overheating** of cells. No direct contact with the anode and the end caps
- **No threads** to attached the end caps to the anode. Simple “Viton” O-Ring seals anode into the end caps
- **Higher quality end cap material**
- **Conical Anode design** eliminates heat transfer which could cause expansion force to the end caps and potentially crack the end caps causing leakage
- Standard cell warranty offered: 2 Year warranty on the Cell or 10,000 hours of continuous operation with single coat of Anode - see warranty for complete info
- Optional warranty offered: 3 year warranty on a double coated cell or 15,000 +/- hours of continuous operation
- Low cost cell repair kits makes it very easy to repair and replace
- Anode and cathode made from Titanium metal. Considered to be the strongest, most durable metal
Samples of Cracked End Caps OVER-HEATING

Anode coating etched - anode ends threaded causing a thinner cell wall and the cell to overheat

End Caps crack from cell expansion caused from cell overheating and direct contact

End Caps crack from cell expansion and begin to leak

System generator cell warranties are offered with a standard 2 year or 10,000 hours of operational use. Optional system cell upgrades are offered with a 3 year or 15,000 hours of operational use.
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