

Installation Reference - Membrane Electrode

Topic: Poly Storage Sleeves

Please read all the instructions listed below carefully to familiarize yourself with the project before attempting to perform any of the work.

Required Materials

- Poly Sleeve

Required Tools

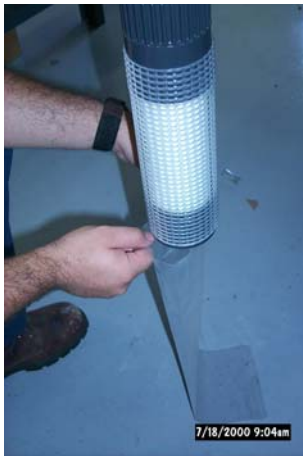
- None

If you plan to drain the ED tank for a while, then steps must be taken to keep the membrane (used in the Membrane Electrode (ME) Cell) protected and moist. If the ED tank is left empty for more than 48 hours, UFSc recommends the use of a poly material sleeve to cover the exposed membrane and retain its moisture. In most cases you can leave the ME Shell installed in the ED tank. In some cases you can remove the ME Cell from the ED tank. UFSc supplies a 125 micron (6 mil) thick poly sleeve. The length is designed to cover just the exposed portion of the membrane if the ME Cell is kept in place, or for the entire overall length if the ME Cell is to be removed from the ED tank...

Instructions

In Site Poly Sleeve Installation

1. Rinse off the exterior of the Membrane Shell with a D.I. water hose.
2. Locate open of poly sleeve and begin by pulling it over the cap of the ME Shell (bottom of ME Shell). See photo below.



top of the collar. See photo below.



3. Pull poly sleeve up so it covers the top of the collar. Use the plastic tie wrap to secure the sleeve above the

4. Keep the electrolyte system operating during the shut down and make sure all ME Cells are full of fluid (inside the ME Cell only).

Shell Removal from ED Tank

If the ME Shell is removed from the ED tank (in this case store the electrode separately), rinse off the inside of the ME Shell and place it inside the poly sleeve. Fold the excess over and use vinyl tape to seal.

For more information see the original manual that came with the equipment or call UFSc (219) 464-2027 ext. 24.

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Think and act in a safe manner. Always disconnect power and use a lockout before you work on the E-coat system, or any of the related subsystems. Observe any confined space conditions. Use the appropriate safety equipment and clothing for the task.

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