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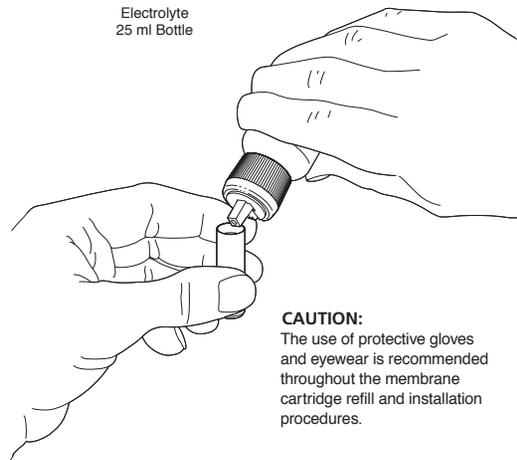
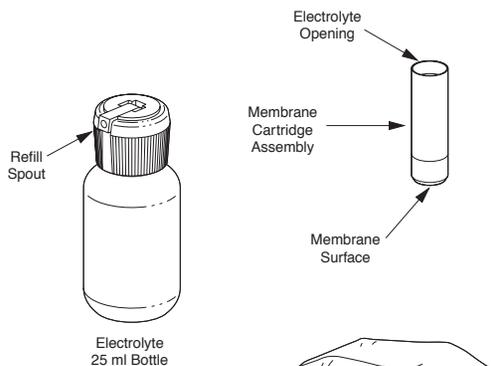
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Broadley-James[®] 12 mm OxyProbe[®] Membrane Instructions

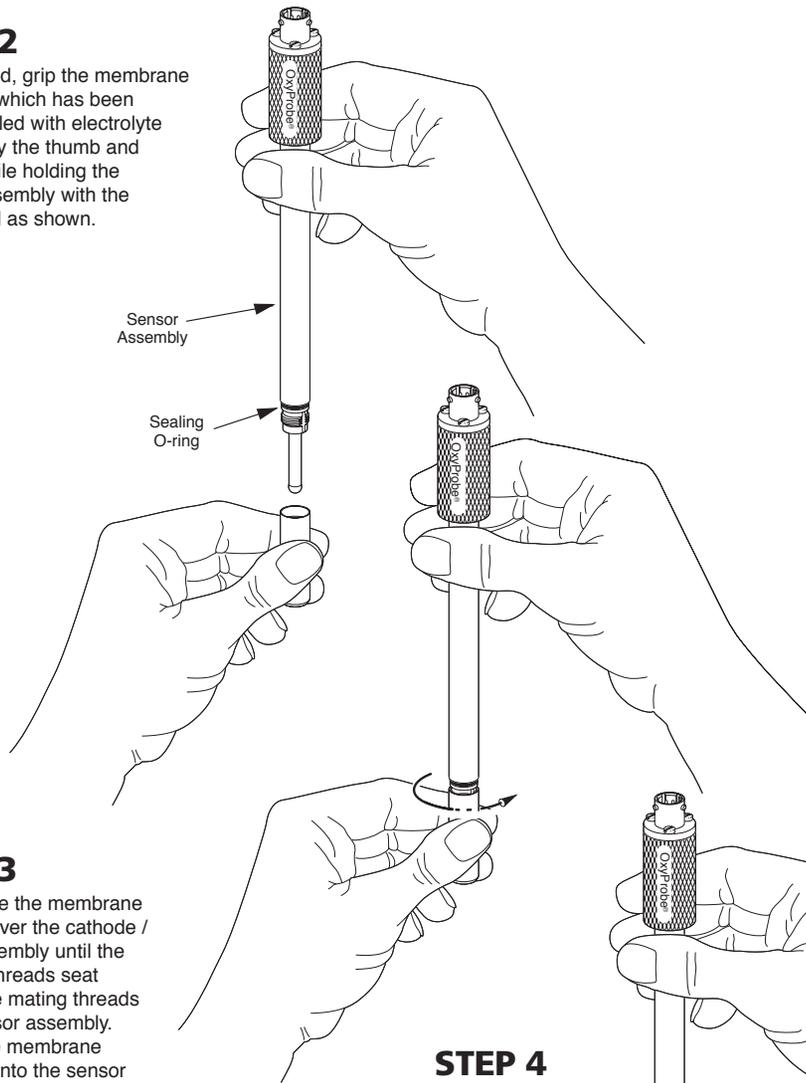
STEP 1

While holding the membrane cartridge upright (with opening up) in one hand, carefully pour the electrolyte solution from the bottle into the cartridge until level is approximately 1/8" (3 mm) from the top edge of the cartridge. Remove any entrapped air bubbles by gently tapping on the side of the membrane cartridge sleeve. Try not to spill any of the electrolyte solution and be certain to wipe off any excess electrolyte from the outside surface of the cartridge sleeve with a clean tissue.



STEP 2

In one hand, grip the membrane cartridge, which has been properly filled with electrolyte solution, by the thumb and fingers while holding the sensor assembly with the other hand as shown.



STEP 3

Gently slide the membrane cartridge over the cathode / anode assembly until the cartridge threads seat against the mating threads of the sensor assembly. Thread the membrane cartridge onto the sensor assembly until there is a flush fitting between the cartridge sleeve and the tube. With a proper fit, the sealing o-ring should no longer be visible.

STEP 4

Rinse the front portion of the sensor assembly with clean tap water and blot dry with a clean tissue to remove any excess electrolyte. The sensor is now ready to be polarized.

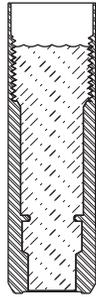
Note: Carefully inspect o-rings for any physical damage or excessive wear. Replace as needed or if there is any doubt as to their condition.

CAUTION: Cause of Membrane Splitting

What To Do

Step 1

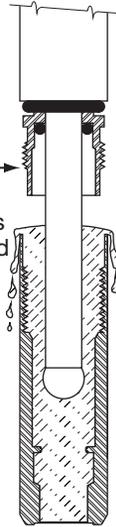
Fill membrane cartridge with electrolyte



Step 2

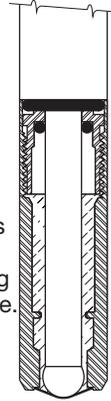
Free of Electrolyte Solution

Cartridge overflows as it is threaded onto the sensor



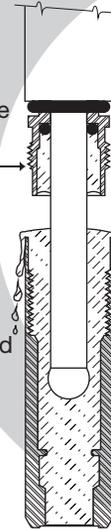
Step 3

Note that an air space is trapped at the base of the anode tube. This air space compresses as the electrolyte expands during the steam cycle. In this manner the internal pressure is relieved during sterilization.



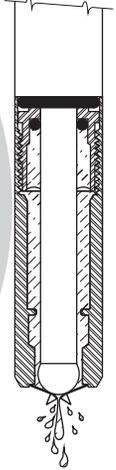
What NOT To Do

During storage or shipping, the sensor may become inverted and the electrolyte will fill the thin annular space at the base of the anode tube. When the sensor is positioned upright there may still be electrolyte trapped in the sensor due to the tension of the electrolyte.



If the cartridge is now filled with electrolyte and threaded onto the sensor there is no air trapped in the sensor. There is no room for expansion when the temperature increases during the steam cycle.

When the sensor is brought to +121° C the membrane will split under the tremendous hydrolic pressure that is produced by the heated, expanding electrolyte.



Quality Assurance Certificate

Manufacturer Part Numbers

KA1201, KA1204, KA1225, KC1201, KC1204, KC1225

Broadley-James Corporation is dedicated to quality and maintains a high degree of control over all aspects of production. The product contained within this box has been individually pressure tested, measured, and compared to Broadley-James' internal manufacturing standards, and has been found to meet or exceed those standards. Thank you for choosing Broadley-James Corporation.