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| ARCS PROCEDURE: | PURGING THE GASHOLDER | PRO(H2GEN)-001.000 |
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Purging the Gasholder

I. Purpose:

To describe the procedure for purging the gasholder, part of the hydrogen generator.

II. Cautions and Hazards:

None.

III. Requirements:

None.

IV. Procedure:

A. Steps:

1. Start the machine and adjust the current to 100 amps.
2. Obtain and test a gas sample. When the gas tester reads 1% oxygen or less, the hydrogen is ready to be turned into the gasholder. Raise the current to 250 amps.
3. Close compressor inlet valve V-4. (This will prevent the compressor from starting.)
4. Close V-1 and open V-2 simultaneously. Hydrogen will flow into the gasholder, causing the bell to rise. Allow the bell to rise until it is venting at high level.
5. Open valve V-1. The gasholder will drop and the rate can be controlled with V-1. Allow it to fall until it is at 2 inches (5 cm) above the bottom (reset) position. Close valve V-1.
6. Allow the bell to refill until it is venting.
7. Repeat steps 5 and 6 ten more times, after which the gas bell should be thoroughly purged of air. Leave the system with valve V-1 closed and V-2 open. This completes the purge procedure.

V. References:

None.

VI. Attachments:

None.