



C.P.A. S.R.L.

GUIDE FOR MAINTENANCE CLEANING OF ELECTRODES FOR ELECTROLYSIS



C.P.A. srl

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INSPECTION OF THE ELECTRODE

Sebbene i più moderni dispositivi siano dotati di sistema per l'inversione della polarità negli elettrodi di generazione, al fine di minimizzare il deposito di calcio (calcare) sulle lame degli stessi, viene tuttavia raccomandata un'ispezione regolare.

REMOVAL OF THE ELECTRODE

Make sure that the electrolytic generator is turned off and disconnected from the power supply. STEP 1 - Disconnect the electrode.

STEP 2 - Unscrew the threaded ring nut.

STEP 3 - Remove the electrode from the cell. Check if there is calcium (a substance similar to gypsum) inside the electrode.

In the presence of calcium, the electrode needs to be cleaned.

If it does not need to be cleaned, assemble the electrode again.



CLEANING THE ELECTRODE

Prepare a solution consisting of 1/8 of hydrochloric acid and 7/8 of water. Immerse the electrode in the solution. Calcium will dissolve by chemical reaction. When the reaction stops (about 10 minutes) rinse the electrode with clean water, dry the brass terminals and check that all the calcium has been removed. If not, repeat the process with a new solution.

WARNING:

When handling substances such as acids, the use of suitable personal protective equipment, such as protective goggles and rubber gloves, is strongly recommended.

During preparation, add acid to water, NEVER water to acid.



CLOSURE OF THE BODY SYSTEM (CELLS) AND ELECTRODE

Make sure that the sealing gasket is correctly positioned in its seat. Reinsert the electrode in the cell and tighten the locking system. Connect both electrode poles to the generator and turn it on.

Note

- The information contained in this document may vary at the discretion of the editor, without notice, together with the changes to the product in question in this document: it will be the responsibility of the customer to verify the persistent correspondence of the product to the information sheet when placing the order.
- It is essential that the installation is carried out by competent and qualified personnel, in possession of the technical requirements required by the specific regulations on the subject. By qualified personnel we mean those people who have been authorized by the plant safety manager to carry out any necessary activity and in this being able to know and avoid any danger.
- This document does not in any way replace the technical documentation relating to the products indicated provided by the manufacturer of the same, to which the installer must contact in order to obtain all the technical information not present in the aforementioned document.
- The C.P.A. s.r.l. assumes no responsibility for any problems deriving from erroneous interpretation of the text.
- The C.P.A. s.r.l. furthermore, it declines all responsibility for possible inaccuracies contained in this manual, if due to printing or transcription errors.