**UNICEF Venezuela**: Case study on the use of innovative approaches to enable safe water, hand hygiene and other IPC practices

A path for scaling-up technology, capacities and solutions

Different type electric chlorinators were installed in targeted health care facilities in response to Covid19. A total of 35 electrolytic chlorinators were installed in 35 Hospitals across the country during 2020/21.



* The machine allows the production of 4 liters of CL for 1KG of table salt, which is used for disinfestation of water and cleaning surfaces
* Patients and surrounding communities were engaged to understand their needs for the product
* Communities provide salt to hospitals, and also exchange salt with other commodities (soap and hand sanitizer)
* Win-win situation for both communities and HCFs



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| A group of people posing for a photo  Description automatically generated  **Brand/model:** | **Suinca** [**Suinchlor-6000**](http://suinca-ca.com/tratamientodeaguas) | **Pristine** [**PBP-100**](https://pristinewater.in/products/electro-chlorination/batch-electrochlorinator/) | **Aquachlor** [**AC-100**](https://www.dosiclor.com/metodos-alternativos/generador-hipoclorito-sodio-ac/) | **Lutz-Jesco** [**MiniChlorgen 90**](http://www.lutz-jesco.com/en/products/disinfection/chlorine-electrolysis-systems/minichlorgen.html) | **Suinca** [**Suinchlor-200**](http://suinca-ca.com/tratamientodeaguas) |
| **Type:** | Manual / Batch | Manual / Batch | Manual / Batch | Automatic | Manual / Batch / Solar |
| **Power:** | n.d. | 0.63 kWh, 110-240 VAC | 0.75 kWh, 110-240 VAC | 0.60 kWh, 110-240 VAC | 12 V |
| **Chlorine capacity:** | 125 g/h | 125 g/h | 110 g/h | 90 g/h | 50 g/h |
| **Chlorine conc.:** | 6 g/L | 7-8 g/L | 6 g/L | 6 g/L | 5 g/L |
| **Salt consumption:** | 0.4 Kg/h | 1.1 Kg/h | 0.5 Kg/h | 0.3 Kg/h | 0.3 Kg/h |

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