Poseidon
Battery Water System

- ✓ Battery water always available
- ✓ Get battery water from tap water
- ✓ Ensures correct water quality
- ✓ Correct pressure for single point
- ✓ No water transportation
- ✓ Efficient process
- ✓ Quick & easy to install
- ✓ Low maintenance

Battery water quality is a very important factor for battery performance and lifetime. The battery should be topped up AFTER being fully charged (or at the very end of a charging cycle), and the conductivity should always be below 30 µS/cm (DIN 43530 part 4).

POSEIDON deionizer is a complete system for battery watering, including a quality conductivity meter to keep track of the water quality.

POSEIDON comes with a built-in light proof tank mounted at 3m height to make sure that the water pressure is correct when using a single point filling system. POSEIDON covers the recommended pressure range for all common systems.

The unit is very easy and quick to install, thanks to the stand, and the strong steel stand also works as a protector for the deionizer.

A POSEIDON deionizer requires practically no maintenance, except changing the filter once in a while. How often depends on the tap water quality and how much the deionizer is used, so it can vary from 1-10 times per year.

Combine with equipping the batteries with a single point filling system (BFS) to ensure that all cells are filled quickly and easily to the correct level.

Specifications:

Dimensions: H3430 x W580 x D910
Water pressure (IN recommended): 2bars
Water pressure (IN maximum): 4bars
Water pressure (OUT): 1bar
Water tank: 60L
Power supply (conductivity meter): 230V/50Hz

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Operation instruction

1. Turn on the inlet valve to start supply pipe water to the system, for first use only, open air relief valve until water level reach the valve then close the valve.

2. Check the conductivity reading on the conductivity meter to make sure of the out going water's quality had reduce to working level (below 5 µS). Normally after just replace the filter, some amount of the produced water need to be purge until the water's quality reach it's lowest level.

Conductivity reading

3. The out going battery water will automatic produce and store in auto tank which will shut off automatically when the level in the tank reach maximum level.

4. User can use the water through normal valve, water supply gun, or Single Point Filling system (recommended)

5. When the conductivity reading is higher than 20 µS/cm, the conductivity reading will show as (1 .) the filter need to be replace. (photo below)

6. If in any case that there are no usage of the unit for long period of time, turn off the inlet water supply until you need to produce battery water again.

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