

Description : Centralized water filling station

Type : PRC.01



➔ Presentation:

- Top-up of water for battery banks
- Low pressure filling system
- Digital display (menu, measurements and history)
- Compatibility with all elements using low pressure filling
- Circuit sealing test
- Non obstruction test
- Fills batteries located below and above the station
- Autonomous system (without mains connection)

The water filling station is used to top-up batteries with demineralised water as specified by the battery manufacturer.

➔ Operation / use :

- When not in use, the station is connected to 230V mains to ensure battery backup charge.
- The station has a back-up operating time allowing it to use the 60 l of the tank without recharging the backup batteries
- If necessary, the station can be operated connected to mains supply
- The transparent pipe of 8m length enables filling battery banks located 1.5 m below and 6 m above the station. Connections are EFCD 176-1 female CPC type for input and SCF 226-12 for the output.
 - Filling rate between 0.5 and 1 l / min
 - Maximum pressure of 0.2 bar at the inlet to the battery during filling
 - After filling the overall circuit, the pipes are purged so that there is no water discharge when disconnecting hydraulic connections
 - The water flow is automatically stopped when filling is complete
 - The excess water is stored in a removable external tank

➔ Technical Characteristics :

Supply :

- **Electricity** (station stored for recharge): 230V or 115VAC single-phase +/- 10%, 50/60 Hz, 1A max. with 3m cable
- **Water**: 60 litres water tank

On the display panel :

- indicator "charger in operation" (device connected to the mains), indicator "battery charged"
- button "cycle start", emergency pushbutton
- digital display > flow, volume of water used, cycle status, faults
- Leak test and obstruction test in the station/battery circuit

Inside the station:

- pressure sensor at battery input typically limited to 0.2 bar
- All subassemblies accessible by removing the front cover
- Electrical protection
- Water flow adjustment

➔ Presentation :

- Very stable mobile trolley
- Tank made of inert material. No metal element in contact with demineralised water
- Storage of the tubes on the station
- Colours: blue RAL 5012 and white RAL 9001.
- Reinforced tube resistant to oils, grease and diluted products like carbonates and sulphuric acid (from 50 to 150mg/litre)
- The battery ensures autonomous operation for normal daily maintenance
- Transparent external tank for excess water

➔ **Dimensions**: Height: 1200 mm - Width: 670 mm - Length: 900 mm - Weight: 120 Kg (full water tank)

➔ Climatic constraints:

Working Temperature: 0° C to + 45° C

Storage temperature : 0° C to + 60° C

I.P. : IP 42 - Protection against the rain - Operation in or outdoors

➔ **Applicable standards**: European standards C52100 and C15100

➔ **Documentation**: user and preventive maintenance manual in English

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