

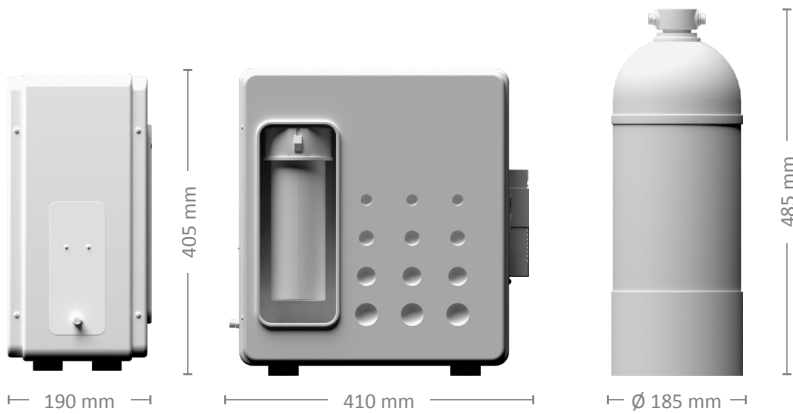
Water Purification System (WPS)



Enapter electrolysers are highly resilient to water input and can be fed with purified rainwater or tap water. A simple reverse osmosis processes with resin filters can provide the required water quality. The water input to the electrolyser needs to be desalinated and have a conductivity of $< 20 \mu\text{S}/\text{cm}$.

Specifications

Enapter
Water Purification System (WPS)



Input water	Tap or rain water
Output water	< 20 $\mu\text{S}/\text{cm}$ (at 25°C)
Operative power consumption	80 W
Standard power supply	AC 200-240 V, 50/60 Hz
Clean water production rate	Up to 1 L per minute at 1 $\mu\text{S}/\text{cm}$ (at 1 $\mu\text{S}/\text{cm}$, varies depending on water input quality can be much lower depending on water input)
Operating pressure water system	Min. 2.5 to max. 5.0 bar
Water temperature	Min. 10°C to max. 25°C
Environment operating temperature	Min. 10°C to max. 35°C
Weight (empty)	18 kg (approximately)
Filtering system	Reverse osmosis system including: <ul style="list-style-type: none">≡ A composite structure filter made of<ul style="list-style-type: none">– a bed of activated carbon that removes the residual chlorine, tastes, smells and polluting organic substances– a double membrane in polyethylene fibers that removes impurities larger than 0.5 μm≡ An osmotic module for the removal of dissolved salts and other possible pollutants present ion exchange resins bottle
Maintenance	Maintenance intervals depend on usage and water input quality. Below are estimations. <ul style="list-style-type: none">≡ The composite structure filter cartridge must be replaced each 6 months≡ The reverse osmosis cartridge must be replaced each 2 years≡ The resin bottle must be replaced approximately every 1,500 L produced, based on the quality of the inlet water
Place of installation	Mounted on side wall of cabinet, other wall surface or placed in enclosure next to the cabinet.
Number of AEM electrolyzers that can be supplied directly	Up to 8
Number of AEM electrolyzers that can be supplied with WTM	Up to 30