

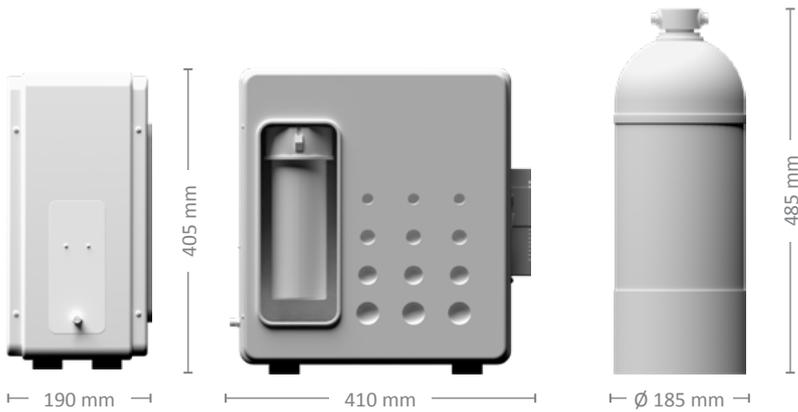
# Water Purification System (WPS)



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)



<b>Input water</b>	Tap or rain water
<b>Output water</b>	< 20 $\mu\text{S}/\text{cm}$ (at 25°C)
<b>Operative power consumption</b>	80 W
<b>Standard power supply</b>	AC 200-240 V, 50/60 Hz
<b>Clean water production rate</b>	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)
<b>Operating pressure water system</b>	Min. 2.5 to max. 5.0 bar
<b>Water temperature</b>	Min. 10°C to max. 25°C
<b>Environment operating temperature</b>	Min. 10°C to max. 35°C
<b>Weight (empty)</b>	18 kg (approximately)
<b>Filtering system</b>	Reverse osmosis system including: <ul style="list-style-type: none"><li>≡ A composite structure filter made of<ul style="list-style-type: none"><li>– a bed of activated carbon that removes the residual chlorine, tastes, smells and polluting organic substances</li><li>– a double membrane in polyethylene fibers that removes impurities larger than 0.5 <math>\mu\text{m}</math></li></ul></li><li>≡ An osmotic module for the removal of dissolved salts and other possible pollutants present ion exchange resins bottle</li></ul>
<b>Maintenance</b>	Maintenance intervals depend on usage and water input quality. Below are estimations. <ul style="list-style-type: none"><li>≡ The composite structure filter cartridge must be replaced each 6 months</li><li>≡ The reverse osmosis cartridge must be replaced each 2 years</li><li>≡ The resin bottle must be replaced approximately every 1,500 L produced, based on the quality of the inlet water</li></ul>
<b>Place of installation</b>	Mounted on side wall of cabinet, other wall surface or placed in enclosure next to the cabinet.
<b>Number of AEM electrolyzers that can be supplied with WTM</b>	Up to 16