



SIQENS

Refueling

SIQENS QE Charge

Methanol fuel cell cartridge

The following video will guide you through the refueling process:

<https://youtu.be/8A6QVC2HPEc>



Safety instructions for handling methanol

DANGER



Highly flammable liquid and vapor. (H225) Toxic if swallowed, contact with skin or inhalation. (H301 + H311 + H331) Causes damage to organs. (H370). Use only undamaged containers with suitable terminals with SIQENS fuel cell. Follow operating instructions. IF SWALLOWED: Immediately call a NATIONAL POISONS INFORMATION SERVICE. (UK (00 44) (1 71) 6 35 - 91 91).

Keep away from heat, hot surfaces, sparks, flames and other ignition sources. Do not smoke. (P210) Take precautionary measures against static discharge. Do not inhale vapor. (P260) Store in a cool, well-ventilated place. Keep container tightly closed. (P403 + P233). Do not open or empty the cartridge by force. Dispose of empty containers in accordance with current regulations. Protect from temperatures > 50 ° C or direct sunlight. Do not leave in a parked car in hot climates. Store and transport upright. Fuel cell cartridge intended for single use only. Sale only to authorized persons over 18 years.

WARNING



Methanol is highly flammable! You can obtain methanol in safe, tested QE Charge methanol cartridges, which protect against leakage in intended use. Storage and transport may be subject to changes in legal regulations.



Methanol is toxic by inhalation, in contact with skin, and if swallowed. In case of direct contact, accidents, or discomfort, consult a physician immediately and display the QE Charge methanol label, the Methanol Safety Data Sheet, or the instruction manual.

CAUTION



CONTAMINATED METHANOL

The original QE Charge methanol cartridges contain methanol that has been approved by SIQENS for usage with the Ecoport. Contamination or impurities in the methanol may cause irreversible damage to the unit and void the warranty or guarantee.



Only use methanol according to the specified purity level in the data sheet.

NOTICE



When using the Ecoport and the QE Charge methanol cartridge properly, there is no risk of exposure to methanol at any time.

Refueling

Refueling of the Ecoport is easy and safe thanks to the built-in dispensing head. A tank change is also possible during operation. To prevent air from being drawn into the system via the suction hose, the tank should be changed quickly (within 30 seconds).

CAUTION



Observe sections 2.2. General safety instructions and 2.2.1. Safety instructions for handling methanol in the operating manual, as well as the enclosed safety data sheet.

1. Remove dispensing head



Remove the dispensing head of the Ecoport or the multi tank connector from the connected cartridge by turning it counterclockwise.

2. Open the cartridge / tank

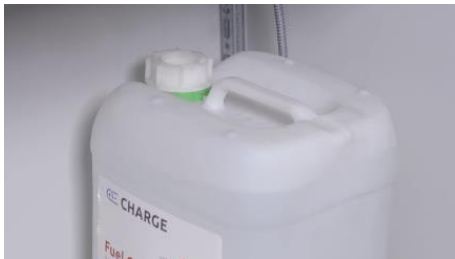


Open the cap of the full cartridge using the barrel wrench (this is included in the accessories of your Ecoport) by turning it counterclockwise



Stow the sealing cap safely (for example in the barrel wrench bag)

3. Place tank / cartridge



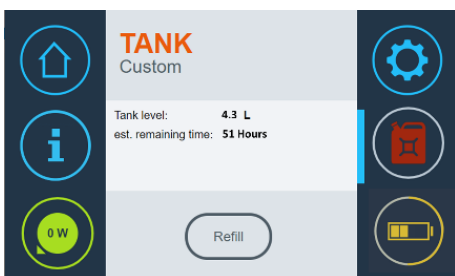
Place the full cartridge in the desired position. Make sure that the cartridge is upright and stands on solid ground.

4. Connect the dispensing head



Insert the dispensing head into the full cartridge by turning it clockwise. Check for firm hold.

5. Adjust tank level



In the Control Panel, update the fill level of your Ecoport in the "Tank" menu item.

You can choose between preset container sizes or adjust the refill quantity individually.

6. Seal the cartridge



Close the old cartridge with a sealing cap and hand-tighten it with the barrel wrench by turning it clockwise.

To ensure the correct connection of the cartridge or external tank, it is recommended to start the Ecoport manually after refueling.

NOTICE



The methanol is extracted evenly from the cartridges. Any difference regarding the filling level in the cartridges is automatically balanced out. Please note that all tanks should be placed on even ground.



Make sure that no air is sucked into the system through any of the hoses (for example, through an empty or unconnected tank or cartridge).

Disposal

The empty or partially emptied QE Charge methanol cartridge must be disposed of in accordance with the administrative regulations of the country of use. National regulations and laws must be observed.

The QE Charge methanol cartridge is designed according to DIN EN ISO 15750-2. The completely emptied QE Charge methanol cartridge can be disposed of in plastic waste in most cases.

If you have technical questions, our support team will be happy to assist:

Technical Support

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