

# CHARGE



## User manual

Stand 05/2018

Order number: E-093-000017

## Imprint

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## Document information

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## Contents

<b>1</b>	<b>Information about the Operating Instructions .....</b>	<b>4</b>
1.1	Description of symbols and notices .....	4
<b>2</b>	<b>Technical Information.....</b>	<b>4</b>
2.1	Technical product information .....	4
2.2	Dimensions of QE CHARGE methanol cartridge .....	4
<b>3</b>	<b>Safety Information .....</b>	<b>5</b>
3.1.1	Methanol safety information.....	5
3.2	Operating personnel requirements .....	6
<b>4</b>	<b>Refuelling .....</b>	<b>7</b>
<b>5</b>	<b>Disposal .....</b>	<b>10</b>
<b>6</b>	<b>Service / Support .....</b>	<b>10</b>

## 1 Information about the Operating Instructions

### 1.1 Description of symbols and notices

(according to ANSI)

<b>DANGER</b>	Indicates an imminent danger that leads to serious injury or death.
<b>WARNING</b>	Indicates a potentially hazardous situation that could result in serious injury or death.
<b>ATTENTION</b>	Indicates a potentially dangerous situation that could result in minor bodily injury.
<b>NOTICE</b>	Indicates a notice that needs special attention.

## 2 Technical Information

### 2.1 Technical product information

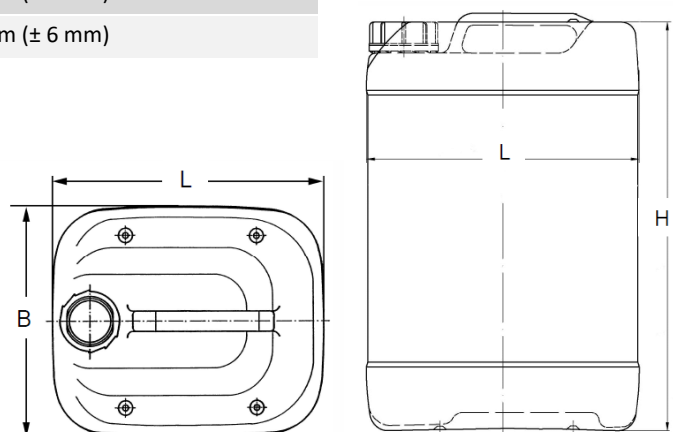
QE CHARGE methanol cartridge	
Volume	25 litre methanol
Energy content	Up to 42 kWh*
Net weight	22 kg
Permission	UN 3473 fuel cell cartridge

\* Dependent on surrounding conditions

Subject to technical modifications.

### 2.2 Dimensions of QE CHARGE methanol cartridge

QE CHARGE methanol cartridge	
Length (L)	294 mm (± 6 mm)
Breadth (B)	256 mm (± 6 mm)
High (H)	456 mm (± 6 mm)



## 3 Safety Information

### 3.1.1 Methanol safety information

<b>DANGER</b>
<p>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 ).</p> <p>Keep away from heat, hot surfaces, sparks, flames and other ignition sources. Do not smoke. (P210) Take precautionary measures against static discharge. Do not breathe 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 &gt; 50 ° C or direct sunlight. Do not leave in a parked car in hot climate. Store and transport upright. Fuel cell cartridge intended for single use only. Sale only to authorized persons over 18 years.</p>
<b>WARNING</b>
<p>Methanol is highly flammable! You will receive methanol in safe, tested QE CHARGE methanol cartridges, which will protect the contents from leakage during appropriate use. Storage and transport may be subject to legal regulations.</p> <p>Methanol is toxic if inhaled, ingested and in contact with the skin. There is a serious risk of irreversible damage through inhalation, skin contact and ingestion. In case of direct contact, an accident or if you feel unwell, seek medical advice immediately and show the QE CHARGE methanol cartridge label, the methanol safety data sheet or the user guide.</p>
<b>ATTENTION</b>
<p><b>CONTAMINANTS IN THE METHANOL</b></p> <p>The original QE CHARGE methanol cartridges contain methanol approved by Siqens for the Ecoport. Contaminants or foreign components in the methanol can cause irreversible damage to the unit and may void the warranty or guarantee.</p> <p>Only use methanol according to the degree of purity stated in the data sheet.</p>
<b>NOTICE</b>
<p>Proper use of the Ecoport and QE CHARGE methanol cartridges will prevent exposure to methanol.</p>

### 3.2 Operating personnel requirements

The operator must be adequately trained in the use, servicing, setting and operation of the Ecoport.

#### WICHTIGE HINWEISE

- Follow the instructions in this manual for the use of the Ecoport and the QE CHARGE methanol cartridge. Failure to observe or follow the instructions may result in accidents, such as electric shock or suffocation.
- Observe legal minimum age! Children should not have access to the device without supervision.

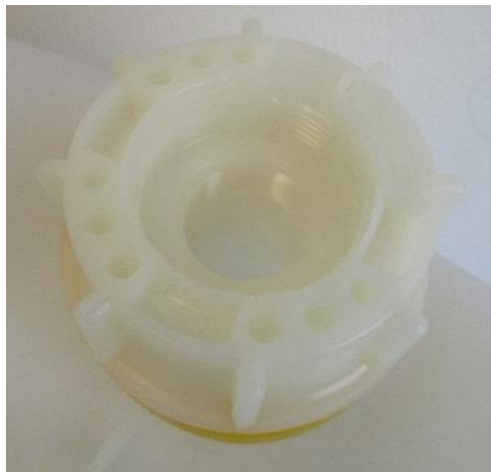
## 4 Refuelling

Filling up the Ecoport 800 is easy and safe due to the removable head on the QE CHARGE methanol cartridge. The tank can also be changed during operation. The QE CHARGE methanol cartridge should be changed quickly during operation. Only then can a blockage be avoided.

- Open the cap of the new QE CHARGE methanol cartridge with the barrel wrench (barrel wrench is included in the accessories of the Ecoport) Change the old QE CHARGE methanol cartridge for a full one.



- Securely stow away the cap (e. g. in the bag of the barrel wrench) and check that the opening is clear.



- Unscrew the removable head from the empty QE CHARGE methanol cartridge and exchange it with the opened and full QE CHARGE methanol cartridge until a noticeable resistance is reached. ATTENTION: The QE CHARGE methanol cartridge must be placed upright.



- Check that the removable head is firmly situated.



- Confirm in the control panel, that a full QE CHARGE methanol cartridge is installed.



- Close the old QE CHARGE methanol cartridge with the cap and tighten it with the barrel wrench.

**ATTENTION**

Observe all methanol safety information in chapter 3 and the safety data sheet for methanol.  
The empty QE CHARGE methanol cartridge should not be opened or refilled.

## 5 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.

## 6 Service / Support

If you have any questions about a Siqens product, a Siqens employee is available to advise you via the service hotline. You can also contact us by e-mail.

This service is available to our customers during normal business hours.

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Mail: [service@siqens.de](mailto:service@siqens.de)