# Environmental Product Declaration

*according to ISO 14025 and EN 15804*

This declaration is for:
**CUBE**

Provided by:
**Quooker B.V.**

program operator
**Stichting MRPI®**
publisher
**Stichting MRPI®**
**www.mrpi.nl**

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**1.1.00496.2023**
date of first issue
**12-12-2023**
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**12-12-2023**
expiry date
**12-12-2028**

## COMPANY INFORMATION

*Quooker B.V.*
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*Ridderkerk*
*0031 180420488*

*www.quooker.nl*

## MRPI® REGISTRATION
1.1.00496.2023

## DATE OF ISSUE
12-12-2023

## EXPIRY DATE
12-12-2028

## PRODUCT
CUBE

## DECLARED UNIT/FUNCTIONAL UNIT
1 Quooker product, consisting of a water reservoir and tap, used over 10 years.

## DESCRIPTION OF PRODUCT
The CUBE is a water reservoir that, combined with a Quooker tap, provides chilled and sparkling water for kitchen applications.

## VISUAL PRODUCT

## MORE INFORMATION
*www.quooker.nl*

## SCOPE OF DECLARATION
This MRPI®-EPD certificate is verified by **Gert-Jan Vroege , Eco-Intelligence.**
The LCA study has been done by **Brienne Wiersema, Ecomatters B.V..**
The certificate is based on an LCA-dossier according to ISO14025 and EN15804+A2. It is verified according to the 'MRPI®-EPD verification protocol November 2020.v4.0'. EPDs of construction products may not be comparable if they do not comply with EN15804+A2. Declaration of SVHC that are listed on the 'Candidate List of Substances of Very High Concern for authorisation' when content exceeds the limits for registration with ECHA.

## PROGRAM OPERATOR
Stichting MRPI®
Kingsfordweg 151
1043GR
Amsterdam

ir. J-P den Hollander, Managing director MRPI®

| *DEMONSTRATION OF VERIFICATION* |
|---|
| CEN standard EN15804 serves as the core PCR[a] |
| Independent verification of the declaration and data, according to EN ISO 14025:2010: internal: external: X |
| Third party verifier: Gert-Jan Vroege , Eco-Intelligence |
| [a] PCR = Product Category Rules |

## DETAILED PRODUCT DESCRIPTION

Product description.
The CUBE is a water reservoir that provides chilled and sparkling water for household like usage. The water reservoirs always have to be combined with a Quooker water tap.

Conditions of delivery.
The water reservoir and taps are ready for installation once delivered. All additional materials necessary for installation and use, are included in the delivered package.

Product components.
Steel, brass, aluminium, plastics and electronic components.

Reference service life: 10 years

| Description and application | Value |
|---|---|
| Commercial name | CUBE |
| Type of product | Water reservoir combined with a Quooker water tap |
| Main purpose | Provision of chilled and sparkling water in kitchens |
| Geographic region of intended installation | European market |

| Characteristics | CUBE | Water tap | Unit |
|---|---|---|---|
| Weigth of the product (excl. packaging) | 14.2 | 2.2 | kg |
| Weight of the packaging | 1.8 | 0.7 | kg |
| Dimension (wxlxh) | 15*27*50 | NA | cm |
| Reference service life | 10 | 10 | years |
| Volume of the reservoir | 2.4 | NA | liters |

| COMPONENT > 1% of total mass | [%] |
|---|---|
| Ferrous metal | Confidential |
| Plastic | Confidential |
| Non-ferrous metal | Confidential |
| Electric and electronic equipment | Confidential |
| Other material | Confidential |

## SCOPE AND TYPE

The type of this EPD is Cradle-to-Gate with options. All major steps from the extraction of natural resources to the final disposal of the product are included in the environmental performance of the manufacturing phase, except those that are not relevant to the environmental performance of the product. This declaration does not imply an indicator result of zero.

This EPD is representative for products produced in Ridderkerk, The Netherlands. The application market is for customers in Europe. Likewise, for the end-of-life, the fate of the product is described within an European context.

The software LCA for Experts (GaBi) 10.7.0.183 is used to perform the LCA. Background processes

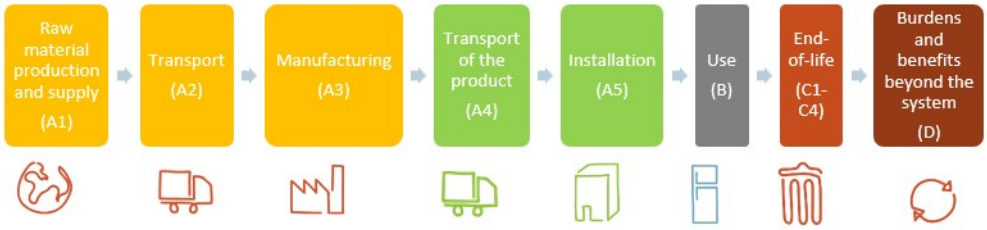
are sourced from Ecoinvent 3.9.1 (2022).

The validity of this EPD is in correspondence with the specifications of the LCA project report.

| PRODUCT STAGE | | | CONSTRUCTION PROCESS STAGE | | USE STAGE | | | | | | | END OF LIFE STAGE | | | BENEFITS AND LOADS BEYOND THE SYSTEM BOUNDARIES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Raw material supply | Transport | Manufacturing | Transport gate to site | Assembly | Use | Maintenance | Repair | Replacement | Refurbishment | Operational energy use | Operational water use | De-construction demolition | Transport | Waste processing | Disposal | Reuse-Recovery-Recycling-potential |
| A1 | A2 | A3 | A4 | A5 | B1 | B2 | B3 | B4 | B5 | B6 | B7 | C1 | C2 | C3 | C4 | D |
| x | x | x | x | x | x | x | ND | ND | ND | x | x | x | x | x | x | ND |

X = Modules Assessed

ND = Not Declared




*LCA process diagram according to EN 15804 (7.2.1)*

## REPRESENTATIVENESS

This EPD is representative for one Quooker water reservoirs:

1. CUBE

In combination with a Quooker watertap. The representative tap included in this EPD is representative for the following taps and colours:

1. Quooker Fusion Standard Round (chrome, RVS, black, messing patina)
2. Quooker Fusion Standard Square (chrome, RVS, black, messing patina)
3. Quooker Fusion Classic Round (chrome, RVS, black, messing patina)
4. Quooker Fusion Classic Square (chrome, RVS, black, messing patina)
5. Quooker Flex (chrome, RVS, zwart)
6. Quooker Front (RVS)

All products are manufactured at the same production facility in Ridderkerk, the Netherlands. The products are sold in Europe.

## ENVIRONMENTAL IMPACT per functional unit or declared unit (core indicators A2)

| | UNIT | A1 | A2 | A3 | A1-A3 | A4 | A5 | B1 | B2 | B6 | B7 | C1 | C2 | C3 | C4 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GWP-total | kg CO2 eq. | 2.07 E+2 | 3.28 E+0 | 6.75 E+0 | 2.17 E+2 | 3.22 E+0 | 1.56 E+0 | 4.41 E+1 | 0.00 | 1.79 E+2 | 1.60 E+0 | 0.00 | 3.08 E-1 | 9.65 E-1 | 4.04 E+0 |
| GWP-fossil | kg CO2 eq. | 2.04 E+2 | 3.28 E+0 | 8.69 E+0 | 2.16 E+2 | 3.22 E+0 | 5.47 E-1 | 4.41 E+1 | 0.00 | 1.73 E+2 | 1.56 E+0 | 0.00 | 3.08 E-1 | 9.12 E-1 | 3.37 E+0 |
| GWP-biogenic | kg CO2 eq. | 2.86 E+0 | -2.27 E-4 | -1.96 E+0 | 8.93 E-1 | 2.72 E-3 | 1.01 E+0 | 1.11 E-1 | 0.00 | 6.02 E+0 | 3.35 E-2 | 0.00 | 3.01 E-4 | 5.28 E-2 | 6.77 E-1 |
| GWP-luluc | kg CO2 eq. | 3.41 E-1 | 2.40 E-3 | 3.07 E-2 | 3.74 E-1 | 1.46 E-3 | 4.26 E-5 | 1.22 E-2 | 0.00 | 4.25 E-1 | 2.67 E-3 | 0.00 | 1.48 E-4 | 8.47 E-4 | 6.28 E-4 |
| ODP | kg CFC11 eq. | 9.02 E-6 | 4.86 E-8 | 1.40 E-7 | 9.21 E-6 | 6.83 E-8 | 2.78 E-9 | 3.01 E-7 | 0.00 | 3.23 E-6 | 4.30 E-8 | 0.00 | 6.52 E-9 | 1.07 E-8 | 1.38 E-7 |
| AP | mol H+ eq. | 2.18 E+0 | 8.37 E-2 | 3.84 E-2 | 2.30 E+0 | 9.76 E-3 | 7.60 E-4 | 5.01 E-2 | 0.00 | 9.72 E-1 | 8.32 E-3 | 0.00 | 9.77 E-4 | 4.77 E-3 | 3.33 E-3 |
| EP-freshwater | kg PO4 eq. | 2.79 E-1 | 1.29 E-4 | 2.47 E-3 | 2.81 E-1 | 2.16 E-4 | 4.51 E-5 | 5.08 E-3 | 0.00 | 1.61 E-1 | 1.01 E-3 | 0.00 | 2.10 E-5 | 2.57 E-4 | 6.07 E-4 |
| EP-marine | kg N eq. | 2.99 E-1 | 2.11 E-2 | 1.15 E-2 | 3.31 E-1 | 3.35 E-3 | 3.62 E-4 | 1.17 E-2 | 0.00 | 1.58 E-1 | 1.64 E-3 | 0.00 | 3.37 E-4 | 1.31 E-3 | 1.65 E-3 |
| EP-terrestrial | mol N eq. | 3.25 E+0 | 2.33 E-1 | 9.06 E-2 | 3.57 E+0 | 3.53 E-2 | 3.23 E-3 | 9.24 E-2 | 0.00 | 1.42 E+0 | 1.56 E-2 | 0.00 | 3.55 E-3 | 1.26 E-2 | 8.56 E-3 |
| POCP | kg NMVOC eq. | 9.58 E-1 | 6.35 E-2 | 3.54 E-2 | 1.06 E+0 | 1.46 E-2 | 1.06 E-3 | 3.64 E-2 | 0.00 | 4.58 E-1 | 5.70 E-3 | 0.00 | 1.46 E-3 | 4.10 E-3 | 3.09 E-3 |
| ADP-minerals & metals | kg Sb eq. | 4.99 E-2 | 4.14 E-6 | 3.72 E-5 | 5.00 E-2 | 1.00 E-5 | 4.65 E-7 | 2.01 E-4 | 0.00 | 2.03 E-3 | 7.99 E-6 | 0.00 | 9.62 E-7 | 2.14 E-5 | 2.69 E-6 |
| ADP-fossil | MJ, net calorific value | 3.08 E+3 | 4.03 E+1 | 1.89 E+2 | 3.31 E+3 | 4.44 E+1 | 1.40 E+0 | 2.12 E+2 | 0.00 | 4.25 E+3 | 3.11 E+1 | 0.00 | 4.29 E+0 | 9.71 E+0 | 1.14 E+1 |
| WDP | m3 world eq. deprived | 8.27 E+1 | 1.55 E-1 | 3.26 E+0 | 8.61 E+1 | 2.74 E-1 | 6.26 E-2 | 5.72 E+0 | 0.00 | 1.31 E+2 | 2.09 E+2 | 0.00 | 2.60 E-2 | 1.78 E-1 | 3.88 E-1 |

GWP-total = Global Warming Potential total
GWP-fossil = Global Warming Potential fossil fuels
GWP-biogenic = Global Warming Potential biogenic
GWP-luluc = Global Warming Potential land use and land use change
ODP = Depletion potential of the stratospheric ozone layer
AP = Acidification Potential, Accumulated Exceedence
EP-freshwater = Eutrophication Potential, fraction of nutrients reaching freshwater end compartment
EP-marine = Eutrophication Potential, fraction of nutrients reaching marine end compartment
EP-terrestrial = Eutrophication Potential, Accumulated Exceedence
POCP = Formation potential of tropospheric ozone photochemical oxidants
ADP-minerals&metals = Abiotic Depletion Potential for non fossil resources [2]
ADP-fossil = Abiotic Depletion for fossil resources potential [2]
WDP = Water (user) deprivation potential, deprivation-weighted water consumption [2]

Disclaimer [2]

- The results of this environmental impact indicator shall be used with care as the uncertainties on these results are high or as there is limited experience with the indicator.

## ENVIRONMENTAL IMPACT per functional unit or declared unit (additional indicators A2)

| | UNIT | A1 | A2 | A3 | A1-A3 | A4 | A5 | B1 | B2 | B6 | B7 | C1 | C2 | C3 | C4 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PM | Disease incidence | 1.35 E-5 | 1.08 E-7 | 5.07 E-7 | 1.42 E-5 | 1.74 E-7 | 1.16 E-8 | 3.40 E-7 | 0.00 | 3.28 E-6 | 7.90 E-8 | 0.00 | 1.93 E-8 | 6.84 E-8 | 3.30 E-8 |
| IRP | kBq U235 eq. | 2.10 E+1 | 2.17 E-2 | 5.14 E-1 | 2.15 E+1 | 7.13 E-2 | 4.79 E-3 | 2.47 E+0 | 0.00 | 1.07 E+2 | 5.78 E-1 | 0.00 | 5.69 E-3 | 5.68 E-2 | 4.32 E-2 |
| ETP-fw | CTUe | 2.73 E+4 | 3.79 E+1 | 3.10 E+2 | 2.76 E+4 | 4.32 E+1 | 4.77 E+0 | 2.51 E+2 | 0.00 | 3.32 E+3 | 3.27 E+1 | 0.00 | 4.30 E+0 | 2.82 E+1 | 6.52 E+1 |
| HTP-c | CTUh | 1.40 E-6 | 1.85 E-9 | 5.97 E-9 | 1.41 E-6 | 1.39 E-9 | 2.37 E-10 | 1.24 E-8 | 0.00 | 9.49 E-8 | 6.86 E-9 | 0.00 | 1.43 E-10 | 1.11 E-9 | 1.31 E-9 |
| HTP-nc | CTUh | 1.66 E-5 | 2.25 E-8 | 1.26 E-7 | 1.68 E-5 | 3.60 E-8 | 6.61 E-9 | 5.03 E-7 | 0.00 | 3.58 E-6 | 9.84 E-8 | 0.00 | 3.62 E-9 | 2.93 E-8 | 2.15 E-8 |
| SQP | --- | 1.20 E+3 | 6.34 E+0 | 2.16 E+2 | 1.42 E+3 | 2.26 E+1 | 4.36 E-1 | 5.22 E+1 | 0.00 | 7.74 E+2 | 6.09 E+0 | 0.00 | 2.53 E+0 | 1.15 E+1 | 2.12 E+0 |

PM = Potential incidence of disease due to PM emissions
IRP = Potential Human exposure efficiency relative to U235 [1]
ETP-fw = Potential Comparative Toxic Unit for ecosystems [2]
HTP-c = Potential Comparative Toxic Unit for humans [2]
HTP-nc = Potential Comparative Toxic Unit for humans, non-cancer [2]
SQP = Potential soil quality index [2]

Disclaimer [1]

- This impact category deals mainly with the eventual impact of low dose ionizing radiation on human health of the nuclear fuel cycle. It does not consider effects due to possible nuclear accidents, occupational exposure nor due to radioactive waste disposal in underground facilities. Potential ionizing radiation from the soil, from radon and from some construction materials is also not measured by this indicator.

Disclaimer [2]

- The results of this environmental impact indicator shall be used with care as the uncertainties on these results are high or as there is limited experience with the indicator.

## RESOURCE USE per functional unit or declared unit (A1 / A2)

| | UNIT | A1 | A2 | A3 | A1-A3 | A4 | A5 | B1 | B2 | B6 | B7 | C1 | C2 | C3 | C4 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PERE | MJ | 3.96 E+2 | 3.23 E-1 | 6.16 E+1 | 4.58 E+2 | 7.71 E-1 | 4.97 E-2 | 2.11 E+1 | 0.00 | 8.40 E+2 | 4.03 E+0 | 0.00 | 6.60 E-2 | 9.18 E-1 | 5.08 E-1 |
| PERM | MJ | 3.24 E-3 | 2.10 E-6 | 4.05 E-5 | 3.28 E-3 | 3.22 E-7 | 2.53 E-8 | 6.21 E-6 | 0.00 | 2.57 E-6 | 2.05 E-5 | 0.00 | 3.08 E-8 | 5.16 E-7 | 4.89 E-8 |
| PERT | MJ | 2.45 E+2 | 2.22 E-1 | 5.57 E+1 | 3.01 E+2 | 2.45 E-1 | 4.37 E-2 | 0.00 | 0.00 | 8.23 E+3 | 5.70 E+1 | 0.00 | 4.31 E-2 | 5.73 E-1 | 1.92 E-1 |
| PENRE | MJ | 3.09 E+3 | 4.03 E+1 | 1.89 E+2 | 3.32 E+3 | 4.44 E+1 | 1.40 E+0 | 2.12 E+2 | 0.00 | 4.25 E+3 | 3.11 E+1 | 0.00 | 4.29 E+0 | 9.72 E+0 | 1.14 E+1 |
| PENRM | MJ | 8.60 E-2 | 1.82 E-3 | 6.26 E-2 | 1.50 E-1 | 1.21 E-3 | 3.81 E-5 | 2.82 E-3 | 0.00 | 1.73 E-3 | 8.12 E-4 | 0.00 | 1.18 E-4 | 1.50 E-3 | 4.45 E-4 |
| PENRT | MJ | 3.09 E+3 | 4.03 E+1 | 1.89 E+2 | 3.32 E+3 | 4.44 E+1 | 1.40 E+0 | 2.12 E+2 | 0.00 | 4.25 E+3 | 3.11 E+1 | 0.00 | 4.29 E+0 | 9.72 E+0 | 1.14 E+1 |
| SM | kg | 6.77 E+0 | 0.00 | 0.00 | 6.77 E+0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| RSF | MJ | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| NRSF | MJ | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| FW | m3 | 1.93 E+0 | 3.62 E-3 | 7.58 E-2 | 2.01 E+0 | 6.38 E-3 | 1.46 E-3 | 1.33 E-1 | 0.00 | 3.04 E+0 | 4.87 E+0 | 0.00 | 6.05 E-4 | 4.15 E-3 | 9.03 E-3 |

PERE = Use of renewable energy excluding renewable primary energy resources
PERM = Use of renewable energy resources used as raw materials
PERT = Total use of renewable primary energy resources
PENRE = Use of non-renewable primary energy resources excluding non-renewable energy resources used as raw materials
PENRM = Use of non-renewable primary energy resources used as raw materials
PENRT = Total use of non-renewable primary energy resources
SM = Use of secondary materials
RSF = Use of renewable secondary fuels
NRSF = Use of non renewable secondary fuels
FW = Use of net fresh water

## OUTPUT FLOWS AND WASTE CATEGORIES per functional unit or declared unit (A1 / A2)

| | UNIT | A1 | A2 | A3 | A1-A3 | A4 | A5 | B1 | B2 | B6 | B7 | C1 | C2 | C3 | C4 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HWD | kg | 0.00 | 0.00 | 1.82 E+2 | 1.82 E+2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| NHWD | kg | 0.00 | 0.00 | 5.77 E-1 | 5.77 E-1 | 0.00 | 1.01 E+0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.62 E+3 |
| RWD | kg | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| CRU | kg | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| MFR | kg | 0.00 | 0.00 | 4.10 E+2 | 4.10 E+2 | 0.00 | 1.51 E+0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.01 E+3 |
| MER | kg | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| EEE | MJ | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| ETE | MJ | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

HWD = Hazardous Waste Disposed
NHWD = Non Hazardous Waste Disposed
RWD = Radioactive Waste Disposed
CRU = Components for reuse
MFR = Materials for recycling
MER = Materials for energy recovery
EEE = Exported Electrical Energy
ETE = Exported Thermal Energy

## BIOGENIC CARBON CONTENT per functional unit or declared unit (A1 / A2)

| | UNIT | A1 | A2 | A3 | A1-A3 | A4 | A5 | B1 | B2 | B6 | B7 | C1 | C2 | C3 | C4 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BCCpr | kg C | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BCCpa | kg C | 0.00 | 0.00 | 7.64 E-1 | 7.64 E-1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

BCCpr = Biogenic carbon content in product
BCCpa = Biogenic carbon content in packaging

## CALCULATION RULES

*Data quality and data collection period*

Data quality requirements follow EN15804+A2:2019. Used datasets are complete according to the system boundary, and are as current as possible. Foreground data is of reference period 2022, representing 1-year averaged data. Processes used in the background modelling are referring to Ecoinvent 3.9.1, the most recent version of the widely used database and are consistent with the foreground modelling in system limits and allocation procedures. The technological and geographical coverage reflects the physical reality as far as possible taking into account the technology mix, location, and representativeness of technologies, input materials, and input energies for the region. Data quality is assessed as good on average and adequate to the goal and scope of the study.

*Cut-off criteria and allocation procedures*

No cut-offs or allocation procedures were intentionally applied to inputs and outputs within the system boundaries in the models. Cut-off and allocation procedures in the background processes are according to the respective methodologies and estimated to be methodologically consistent with the foreground system.

*Allocation procedure*

To allocate the emissions and inputs to the manufactured products, the decision-hierarchy in ISO 14044 is used (ISO 2006). It is not possible to sub-divide the site data into a more detailed level or find physical causalities between inputs and outputs, thus allocation is done based on economic value, considering the contribution of the product groups to the annual revenue.

## SCENARIOS AND ADDITIONAL TECHNICAL INFORMATION

The product stage is reported in life cycle stages A1-A3. This life cycle stage includes the extraction and processing of raw materials for the product and the packaging, their transportation to the production site by road and air, and the manufacturing process. The manufacturing stage (A3) includes all processes related to assembling the product, including energy consumption and waste treatment, for which specific data is available. Electricity consumption is modelled using primary data on the amount and datasets for German wind energy, and self-generated solar electricity from the Ecoinvent 3.9.1 database.

The installation stage (A4-A5) includes transport of the product to the regional distribution center (RDC) and the point of sale (PoS), as well as the treatment of packaging waste after installation. No additional inputs are required for the installation of the product. The use stage includes the operational energy and water consumption, based on primary data from Quooker. For the electricity and water usage in the use-phase, Ecoinvent processes for the EU market for electricity and tap water are used.

For the end-of-life stage (C), a scenario is used which is based on Ecoinvent 3.9.1 datasets and default values.To calculate the benefits and loads byond the system boundaries (module D), Formula D.6. from EN1504+A2 was used.

| Transportation parameters | Transport to the RDC | Transport to Dealer |
|---|---|---|
| Vehicle type used for transport | Lorry, 16-32t | Lorry, 16-32t |
| Distance production site to point of sale, km | 786 | 461 |
| Capacity utilisation | 64% | 64% |

| Waste treatment scenario (A5, C3, C4) | Reuse | Recycling | Incineration (no energy recovery) | Landfill |
|---|---|---|---|---|
| Steel | 11% | 89% | 0% | 0% |
| Aluminium | 0% | 96% | 0% | 4% |
| Non-hazardous waste | 0% | 0% | 100% | 0% |
| Plastic waste | 0% | 77% | 20% | 3% |
| Cardboard and paper packaging | 0% | 89% | 11% | 0% |
| Packaging foil waste | 0% | 0% | 100% | 0% |

| Use-scenario | CUBE | Unit |
|---|---|---|
| Water usage per year* | 330 | liters chilled water |
| Water usage per year* | 165 | liters sparkling water |
| Temperature of incoming water | 20 | degree C |
| Electricity consumption per year* | 410 | MJ |
| Cannisters of CO2 (425 g of CO2 per cannister)* | 5.5 | Pcs |

* based on an average household, containing 2.1 people

## DECLARATION OF SVHC

Pb, 0.16% of weight of the water reservoir
Pb, 0.05%-1.30% of weight of the tap

## REFERENCES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• EN 15804:2012+A2:2019 Sustainability of construction works - Environmental product declarations - Core rules for the product category of construction products

• prEN 17662 (Draft) Execution of steel structures and aluminium structures – Environmental Product Declarations – Product category rules complementary to EN 15804 for Steel, Iron and Aluminium structural products for use in construction works.

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• ISO 14040:2006 Environmental management – Life cycle assessment – Principles and framework

• ISO 14044:2006 Environmental management – Life cycle assessment – Requirements and guidelines

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## REMARKS

There are no further remarks.