


PRODUCT ENVIRONMENTAL PROFILE

STORAGE TANKS



CALORIFIERS FOR DOMESTIC HOT WATER

Registration number: CORD-00007-V01.01-EN		Drafting rules: «PCR-ed4-EN-2021 09 06» Supplemented by «PSR-0016-ed2-EN-2023 06 06»
Verifier accreditation number: VH50		Information and reference document: www.pep-ecopassport.org
Date of issue: 02-2026		Validity period: 5 years
Independent verification of the declaration and data in compliance with ISO 14025:2006		
Internal <input type="checkbox"/>	External <input checked="" type="checkbox"/>	
The PCR review was conducted by a panel of experts chaired by Julie Orgelet (DDemain)		
PEPs are compliant with NF C08-100-1:2022 and EN 50693:2019 or NF E38-500:2022. The components of the present PEP may not be compared with components from any other program.		
Document compiles with ISO 14025:2006 "Environmental labels and declarations. Type III environmental declarations"		

COMPANY INFORMATION

General Information	Cordivari Srl - Zona Ind.le Pagliare Morro D'Oro Snc 64020 (TE) - Italy
Legal contact within the company	info@cordivari.it

Cordivari Srl is one of the leading Italian companies in the hydro-thermal-sanitary sector, specializing in the production of hydrothermal systems for domestic, civil, and industrial applications.

The company continuously renews its commitment by focusing on developing products and solutions that combine efficiency, reliability, and environmental sustainability.

Cordivari is certified according to UNI EN ISO 9001, UNI EN ISO 14001, and UNI EN ISO 45001 standards, implementing an integrated management system that ensures high quality standards and full customer satisfaction.

REFERENCE PRODUCT

Reference Product	BOLLY® 2 ST FB WC 800 LT
Category of the reference product	Storage tank
Subcategory	Domestic hot water storage tank <i>Intended for individual and collective building applications</i>
Reference lifetime (RLT)	22 years
Volume (L)	800
Main constituents	<ul style="list-style-type: none"> • Steel tank • 2 heat exchangers • Magnesium anode • Insulation • Packaging
Static losses (S)	133,2 W
Finish	NOFIRE® polyester fleece with high thermal insulation. Fire resistance class B-s2d0 according to EN 13501. PVC external lining
Installation scenario	Ground installation
Functional Unit	<i>“Ensure the storage of 1 liter of domestic water heated by another system, with a reference lifetime of 22 years of the product”</i>
Declared Unit	<i>“Ensure the storage of domestic hot water with a 800 liters tank for a reference lifetime of 22 years of the product”</i>

TECHNICAL CHARACTERISTICS

Total mass of the product (including packaging)	240,176 kg
Packaging mass	18,73 kg
Product mass	221,446 kg

CONSTITUENT MATERIALS

Constituent materials	Metals		Plastics		Other materials	
	Carbon steel	82,3%	Polyester fiber	5,8%	Wooden packaging (pallet)	7,2%
			Polyvinyl chloride (PVC)	1,2%		
	Magnesium	0,7%	Low-density polyethylene (50% recycled)	0,6%	Paint powder	1,6%
			Other plastics	0,6%		
Total	83,0%	Total	8,2%	Total	8,8%	

LIFE CYCLE ANALYSIS METHODOLOGY

Temporal Representativeness	Primary data collected in the reference period 01/01/2025 -31/12/2025										
Technological Representativeness	Primary data collected from the manufacturing plant in Italy through the technical documentation of the storage tank (Material information and supplier data)										
Geographical representativeness	<table border="1"> <thead> <tr> <th>MANUFACTURING</th> <th>DISTRIBUTION</th> <th>INSTALLATION</th> <th>USE</th> <th>END OF LIFE</th> </tr> </thead> <tbody> <tr> <td>Italy/Europe</td> <td>Europe</td> <td>Europe</td> <td>Europe</td> <td>Europe</td> </tr> </tbody> </table>	MANUFACTURING	DISTRIBUTION	INSTALLATION	USE	END OF LIFE	Italy/Europe	Europe	Europe	Europe	Europe
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Italy/Europe	Europe	Europe	Europe	Europe							
Energy models	<table border="1"> <thead> <tr> <th>MANUFACTURING STAGE (MODULE A3)</th> <th>Electricity, low voltage, residual mix Italy electricity, low voltage</th> </tr> </thead> <tbody> <tr> <td></td> <td>Electricity production, photovoltaic, 570kWp open ground installation, multi-Si electricity, low voltage Italy</td> </tr> </tbody> </table>	MANUFACTURING STAGE (MODULE A3)	Electricity, low voltage, residual mix Italy electricity, low voltage		Electricity production, photovoltaic, 570kWp open ground installation, multi-Si electricity, low voltage Italy						
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The Life Cycle Assessment (LCA) on which this Product Environmental Profile (PEP) is based has been carried out in accordance with the criteria defined in PCR-ed4-FR-2021 09 06 of the PEP ecopassport® program. Calculations were performed using openLCA version 2.4 and the Ecoinvent v3.11 database. The applied methodology complies with the EN 15804+A2 standard and is based on the EF 3.1 approach. The 0/0 method was applied to assess the impact of biogenic climate change. The functional unit and the distribution, use, and end-of-life scenarios are consistent with the assumptions established in PSR-0016-ed2-FR-2023 06 06.

Data collection is based on the reference year 2025.

ADDITIONAL ENVIRONMENTAL INFORMATION

Manufacturing	Produced in an ISO 14001 certified plant in Italy. Components come from Europe. Raw materials and their transport to the production site, various production phases of the finished product, and waste treatment were considered.
Distribution	Product and packaging delivery: 2300 km by truck (B2B/B2C)
Installation	The product is installed on the ground. This phase includes the end-of-life treatment of the packaging according to the scenario described in §3.5.3.2 of PSR-0016-ed2-EN-2023 06 06 standards.

<p>Use</p>	<p>The use stage of a storage tank involves no energy consumption once the unit is installed. During the maintenance stage, the renewal of the protective anode of the domestic hot water storage tank is performed once during the reference lifetime of the product. The travel of the person associated with the anode renewal is accounted for in the PEP of the associated generator.</p>
<p>End of life</p>	<p>To model the end-of-life phase of the product, the ICV Ecosystem modules were used, according to the scenario described in §3.5.5 of PSR-0016-ed2-EN-2023-06-06. Therefore, the data on transport, recycling, recovery, incineration, and landfill rates provided by this source were applied, in accordance with the specific guidelines for electrical and electronic products. As per sectoral conventions, the end-of-life transport phase was modeled assuming a 100 km truck transport.</p>

ENVIRONMENTAL IMPACTS

The environmental impact assessment covers the following phases of the product life cycle: Manufacturing (A1-A3), Distribution (A4), Installation (A5), Use (B1-B7), End of life (C1-C4), and Benefits and loads beyond the system boundaries (D).

The environmental impacts generated by the life cycle of the reference product correspond to the environmental impacts on the scale of the declared unit.

To ensure consistency of the results of environmental impacts between the functional unit (to store 1 liter of water) and the reference product (800 liters tank), the PEP presents the environmental impacts of the manufacturing, distribution, installation, use (module B1 to B7), end-of-life and benefits and loads beyond the system boundaries stages as follows:

$$\text{Environmental impacts from the PEP (for 1 liter)} = \text{Environmental impacts of the reference product} / \text{Storage capacity of the reference product.}$$

In order to develop the PEP, the impacts were related to a storage capacity of 1 liter of water. The impact of the life cycle stages of the installed product has to be calculated by the user of the declaration by multiplying the impact considered by the storage capacity of the product. The results of this PEP form cannot be compared directly with the results of another PEP form. The results have to be weighted in the PEP form according to the yield and performance of the storage tank studied by the user.

The results of the environmental impacts during the use stage are presented according to the breakdown of Module B (from B1 to B7), in accordance with EN 15978 and EN 15804 standards.

In the case of storage tanks, the impacts associated with maintenance operations shall be considered in Module B2.

The impacts of Modules B1, B3, B4, B5, B6 and B7 are equal to zero.

The following table presents the environmental impact results at the functional unit level (impacts per liter corresponding to the functional unit) and at the declared unit level.

ENVIRONMENTAL IMPACT INDICATORS PER LITER CORRESPONDING TO THE FUNCTIONAL UNIT

MANDATORY ENVIRONMENTAL IMPACT INDICATORS

IMPACT CATEGORY	UNIT OF MEASUREMENT	TOTAL (modulo D excluded)	MANUFACTURING A1-A3	DISTRIBUTION A4	INSTALLATION A5	USE B1-B7	END OF LIFE C1-C4	MODULE D
Global Warming Potential - biogenic (GWP-biogenic)	kg CO ₂ -eq	3,55E-03	2,97E-03	2,75E-05	5,06E-04	4,10E-05	3,84E-06	-2,95E-04
Global Warming Potential - fossil fuels (GWP-fossil)	kg CO ₂ -eq	1,31E+00	1,04E+00	1,29E-01	3,35E-03	8,73E-02	4,67E-02	-5,24E-01
Global Warming Potential - land use and land use change (GWP-luluc)	kg CO ₂ -eq	1,49E-03	1,40E-03	4,34E-05	1,80E-06	4,94E-05	2,06E-06	-2,77E-04
Global Warming Potential - total (GWP-total)	kg CO ₂ -eq	1,31E+00	1,04E+00	1,29E-01	3,85E-03	8,74E-02	4,67E-02	-5,25E-01
Abiotic depletion potential - fossil resources (ADPF)	MJ	1,54E+01	1,24E+01	1,83E+00	1,95E-02	1,02E+00	8,12E-02	-5,36E+00
Abiotic depletion potential - non-fossil resources (ADPE)	kg Sb-eq	8,45E-06	7,28E-06	4,53E-07	5,96E-09	6,87E-07	2,18E-08	-3,96E-06
Acidification potential, Accumulated Exceedance (AP)	mol H ⁺ -eq	4,94E-03	4,31E-03	2,77E-04	6,12E-06	3,33E-04	2,06E-05	-2,19E-03
Depletion potential of the stratospheric ozone layer (ODP)	kg CFC-11-eq	4,01E-07	3,97E-07	2,81E-09	2,25E-11	1,37E-09	1,26E-10	-2,16E-09
Eutrophication potential - freshwater (EP-freshwater)	kg P-eq	5,06E-04	4,80E-04	8,94E-06	4,36E-07	1,65E-05	4,95E-07	-2,85E-04
Eutrophication potential - marine (EP-marine)	kg N-eq	1,11E-03	9,40E-04	6,67E-05	4,90E-06	9,27E-05	8,07E-06	-4,79E-04
Eutrophication potential - terrestrial (EP-terrestrial)	mol N-eq	1,15E-02	9,67E-03	7,20E-04	2,11E-05	9,94E-04	7,48E-05	-5,17E-03
Photochemical Ozone Creation Potential (POCP)	kg NMVOC-eq	4,37E-03	3,55E-03	4,39E-04	7,28E-06	3,45E-04	2,92E-05	-1,70E-03
Water (user) deprivation potential (WDP)	m ³ world-eq deprived	4,32E-01	4,08E-01	9,72E-03	5,90E-04	1,06E-02	3,15E-03	-1,48E-01

ENVIRONMENTAL IMPACT INDICATORS PER LITER CORRESPONDING TO THE FUNCTIONAL UNIT

OPTIONAL ENVIRONMENTAL IMPACT INDICATORS

IMPACT CATEGORY	UNIT OF MEASUREMENT	TOTAL (modulo D excluded)	MANUFACTURING A1-A3	DISTRIBUTION A4	INSTALLATION A5	USE B1-B7	END OF LIFE C1-C4	MODULE D
Ecotoxicity (fresh water)	<i>CTUe</i>	6,97E+00	6,31E+00	2,46E-01	5,67E-03	3,16E-01	9,15E-02	-3,23E+00
Human toxicity, non-carcinogenic effects	<i>CTUh</i>	1,04E-08	8,36E-09	1,16E-09	2,91E-11	6,80E-10	1,71E-10	-4,33E-09
Human toxicity, carcinogenic effects	<i>CTUh</i>	1,13E-09	1,06E-09	2,17E-11	6,32E-13	4,81E-11	4,41E-12	-6,26E-10
Ionizing radiation, human health	<i>kBq U235-eq</i>	5,29E-02	4,73E-02	2,21E-03	1,61E-04	3,13E-03	1,02E-04	-1,09E-02
Emission of fine particles	<i>Disease incidence</i>	1,68E-07	1,19E-07	9,66E-09	9,97E-11	3,85E-08	4,37E-10	-5,18E-08
Impacts related to land use/soil quality	<i>Dimensionless</i>	9,24E+00	7,78E+00	1,10E+00	1,34E-02	3,04E-01	4,63E-02	-1,78E+00

INDICATORS DESCRIBING OUTPUT FLOWS

IMPACT CATEGORY	UNIT OF MEASUREMENT	TOTAL (modulo D excluded)	MANUFACTURING A1-A3	DISTRIBUTION A4	INSTALLATION A5	USE B1-B7	END OF LIFE C1-C4	MODULE D
Components for re-use (CRU)	<i>kg</i>	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Exported electrical energy (EEE)	<i>MJ</i>	1,48E-02	0,00E+00	0,00E+00	1,48E-02	0,00E+00	0,00E+00	0,00E+00
Exported thermal energy (EET)	<i>MJ</i>	2,95E-02	0,00E+00	0,00E+00	2,95E-02	0,00E+00	0,00E+00	0,00E+00
Materials for energy recovery (MER)	<i>kg</i>	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Materials for recycling (MFR)	<i>kg</i>	5,85E-02	5,85E-02	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00

ENVIRONMENTAL IMPACT INDICATORS PER LITER CORRESPONDING TO THE FUNCTIONAL UNIT

INVENTORY FLOW INDICATORS

IMPACT CATEGORY	UNIT OF MEASUREMENT	TOTAL (modulo D excluded)	MANUFACTURING A1-A3	DISTRIBUTION A4	INSTALLATION A5	USE B1-B7	END OF LIFE C1-C4	MODULE D
Total use of non renewable primary energy resources (PENRT)	MJ	1,54E+01	1,24E+01	1,83E+00	1,95E-02	1,02E+00	8,12E-02	-5,36E+00
Total use of renewable primary energy resources (PERT)	MJ	1,93E+00	1,85E+00	3,02E-02	1,68E-03	5,03E-02	1,53E-03	-5,13E-01
Use of net fresh water (FW)	m3	9,38E-03	8,89E-03	2,24E-04	-2,51E-05**	2,35E-04	5,58E-05	-3,09E-03
Use of non renewable primary energy resources used as energy carrier (PENRE)	MJ	1,52E+01	1,19E+01	1,83E+00	4,60E-02	1,02E+00	4,51E-01	-5,36E+00
Use of non renewable primary energy resources used as raw materials (PENRM)	MJ	1,49E-01	5,45E-01	0,00E+00	-2,65E-02	0,00E+00	-3,70E-01	0,00E+00
Use of non renewable secondary fuels (NRSF)	MJ	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Use of renewable primary energy resources used as energy carrier (PERE)	MJ	1,43E+00	1,23E+00	3,02E-02	1,23E-01	5,03E-02	1,53E-03	-5,13E-01
Use of renewable primary energy resources used as raw materials (PERM)	MJ	5,01E-01	6,23E-01	0,00E+00	-1,21E-01	0,00E+00	0,00E+00	0,00E+00
Use of renewable secondary fuels (RSF)	MJ	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Use of secondary materials (SM)	kg	8,31E-04	8,31E-04	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00

**The negative sign arises from the use of the following datasets: 'treatment of waste polyethylene, sanitary landfill | waste polyethylene | Cutoff, S' and 'treatment of waste wood, untreated, sanitary landfill | waste wood, untreated | Cutoff, S

ENVIRONMENTAL IMPACT INDICATORS PER LITER CORRESPONDING TO THE FUNCTIONAL UNIT

INDICATORS DESCRIBING CATEGORIES OF WASTE

IMPACT CATEGORY	UNIT OF MEASUREMENT	TOTAL (modulo D excluded)	MANUFACTURING A1-A3	DISTRIBUTION A4	INSTALLATION A5	USE B1-B7	END OF LIFE C1-C4	MODULE D
Hazardous waste disposed (HWD)	kg	2,56E-01	2,50E-01	1,89E-03	8,45E-05	3,44E-03	7,03E-04	-1,67E-01
Non hazardous waste disposed (NHWD)	kg	1,91E+00	1,81E+00	2,02E-02	3,08E-02	2,98E-02	1,96E-02	-4,32E-01
Radioactive waste disposed (RWD)	kg	1,34E-05	1,20E-05	5,46E-07	4,11E-08	7,75E-07	2,52E-08	-2,74E-06

OTHER INDICATORS

	UNIT OF MEASUREMENT	TOTAL (modulo D excluded)
Biogenic carbon content of product	kg	0,00E+00
Biogenic carbon content of packaging	kg	7,83E+00

ENVIRONMENTAL IMPACT INDICATORS PER LITER CORRESPONDING TO THE FUNCTIONAL UNIT

MANDATORY ENVIRONMENTAL IMPACT INDICATORS

IMPACT CATEGORY	UNIT OF MEASUREMENT	USE PHASE	B1	B2	B3	B4	B5	B6	B7
Global Warming Potential - biogenic (GWP-biogenic)	<i>kg CO2-eq</i>	4,10E-05	0,00E+00	4,10E-05	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Global Warming Potential - fossil fuels (GWP-fossil)	<i>kg CO2-eq</i>	8,73E-02	0,00E+00	8,73E-02	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Global Warming Potential - land use and land use change (GWP-luluc)	<i>kg CO2-eq</i>	4,94E-05	0,00E+00	4,94E-05	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Global Warming Potential - total (GWP-total)	<i>kg CO2-eq</i>	8,74E-02	0,00E+00	8,74E-02	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Abiotic depletion potential - fossil resources (ADPF)	<i>MJ</i>	1,02E+00	0,00E+00	1,02E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Abiotic depletion potential - non-fossil resources (ADPE)	<i>kg Sb-eq</i>	6,87E-07	0,00E+00	6,87E-07	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Acidification potential, Accumulated Exceedance (AP)	<i>mol H+-eq</i>	3,33E-04	0,00E+00	3,33E-04	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Depletion potential of the stratospheric ozone layer (ODP)	<i>kg CFC-11-eq</i>	1,37E-09	0,00E+00	1,37E-09	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Eutrophication potential - freshwater (EP-freshwater)	<i>kg P-eq</i>	1,65E-05	0,00E+00	1,65E-05	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Eutrophication potential - marine (EP-marine)	<i>kg N-eq</i>	9,27E-05	0,00E+00	9,27E-05	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Eutrophication potential - terrestrial (EP-terrestrial)	<i>mol N-eq</i>	9,94E-04	0,00E+00	9,94E-04	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Photochemical Ozone Creation Potential (POCP)	<i>kg NMVOC-eq</i>	3,45E-04	0,00E+00	3,45E-04	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Water (user) deprivation potential (WDP)	<i>m3 world-eq deprived</i>	1,06E-02	0,00E+00	1,06E-02	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00

ENVIRONMENTAL IMPACT INDICATORS PER LITER CORRESPONDING TO THE FUNCTIONAL UNIT

OPTIONAL ENVIRONMENTAL IMPACT INDICATORS

IMPACT CATEGORY	UNIT OF MEASUREMENT	USE PHASE	B1	B2	B3	B4	B5	B6	B7
Ecotoxicity (fresh water)	<i>CTUe</i>	3,16E-01	0,00E+00	3,16E-01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Human toxicity, non-carcinogenic effects	<i>CTUh</i>	6,80E-10	0,00E+00	6,80E-10	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Human toxicity, carcinogenic effects	<i>CTUh</i>	4,81E-11	0,00E+00	4,81E-11	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Ionizing radiation, human health	<i>kBq U235-eq</i>	3,13E-03	0,00E+00	3,13E-03	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Emission of fine particles	<i>Disease incidence</i>	3,85E-08	0,00E+00	3,85E-08	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Impacts related to land use/soil quality	<i>Dimensionless</i>	3,04E-01	0,00E+00	3,04E-01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00

INDICATORS DESCRIBING OUTPUT FLOWS

IMPACT CATEGORY	UNIT OF MEASUREMENT	USE PHASE	B1	B2	B3	B4	B5	B6	B7
Components for re-use (CRU)	<i>kg</i>	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Exported electrical energy (EEE)	<i>MJ</i>	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Exported thermal energy (EET)	<i>MJ</i>	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Materials for energy recovery (MER)	<i>kg</i>	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Materials for recycling (MFR)	<i>kg</i>	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00

ENVIRONMENTAL IMPACT INDICATORS PER LITER CORRESPONDING TO THE FUNCTIONAL UNIT

INVENTORY FLOW INDICATORS

IMPACT CATEGORY	UNIT OF MEASUREMENT	USE PHASE	B1	B2	B3	B4	B5	B6	B7
Total use of non renewable primary energy resources (PENRT)	<i>MJ</i>	1,02E+00	0,00E+00	1,02E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Total use of renewable primary energy resources (PERT)	<i>MJ</i>	5,03E-02	0,00E+00	5,03E-02	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Use of net fresh water (FW)	<i>m3</i>	2,35E-04	0,00E+00	2,35E-04	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Use of non renewable primary energy resources used as energy carrier (PENRE)	<i>MJ</i>	1,02E+00	0,00E+00	1,02E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Use of non renewable primary energy resources used as raw materials (PENRM)	<i>MJ</i>	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Use of non renewable secondary fuels (NRSF)	<i>MJ</i>	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Use of renewable primary energy resources used as energy carrier (PERE)	<i>MJ</i>	5,03E-02	0,00E+00	5,03E-02	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Use of renewable primary energy resources used as raw materials (PERM)	<i>MJ</i>	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Use of renewable secondary fuels (RSF)	<i>MJ</i>	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Use of secondary materials (SM)	<i>kg</i>	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00

INDICATORS DESCRIBING CATEGORIES OF WASTE

IMPACT CATEGORY	UNIT OF MEASUREMENT	USE PHASE	B1	B2	B3	B4	B5	B6	B7
Hazardous waste disposed (HWD)	<i>kg</i>	3,44E-03	0,00E+00	3,44E-03	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Non hazardous waste disposed (NHWD)	<i>kg</i>	2,98E-02	0,00E+00	2,98E-02	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Radioactive waste disposed (RWD)	<i>kg</i>	7,75E-07	0,00E+00	7,75E-07	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00

ENVIRONMENTAL IMPACTS PER EQUIPMENT CORRESPONDING TO THE REFERENCE PRODUCT

MANDATORY ENVIRONMENTAL IMPACT INDICATORS

IMPACT CATEGORY	UNIT OF MEASUREMENT	TOTAL (modulo D excluded)	MANUFACTURING A1-A3	DISTRIBUTION A4	INSTALLATION A5	USE B1-B7	END OF LIFE C1-C4	MODULE D
Global Warming Potential - biogenic (GWP-biogenic)	kg CO ₂ -eq	2,84E+00	2,38E+00	2,20E-02	4,05E-01	3,28E-02	3,07E-03	-2,36E-01
Global Warming Potential - fossil fuels (GWP-fossil)	kg CO ₂ -eq	1,05E+03	8,32E+02	1,03E+02	2,68E+00	6,98E+01	3,74E+01	-4,20E+02
Global Warming Potential - land use and land use change (GWP-luluc)	kg CO ₂ -eq	1,19E+00	1,12E+00	3,47E-02	1,44E-03	3,95E-02	1,65E-03	-2,22E-01
Global Warming Potential - total (GWP-total)	kg CO ₂ -eq	1,05E+03	8,36E+02	1,03E+02	3,08E+00	6,99E+01	3,74E+01	-4,20E+02
Abiotic depletion potential - fossil resources (ADPF)	MJ	1,23E+04	9,92E+03	1,47E+03	1,56E+01	8,19E+02	6,50E+01	-4,29E+03
Abiotic depletion potential - non-fossil resources (ADPE)	kg Sb-eq	6,76E-03	5,83E-03	3,62E-04	4,76E-06	5,49E-04	1,74E-05	-3,17E-03
Acidification potential, Accumulated Exceedance (AP)	mol H ⁺ -eq	3,95E+00	3,44E+00	2,21E-01	4,90E-03	2,67E-01	1,65E-02	-1,75E+00
Depletion potential of the stratospheric ozone layer (ODP)	kg CFC-11-eq	3,21E-04	3,18E-04	2,25E-06	1,80E-08	1,10E-06	1,01E-07	-1,73E-06
Eutrophication potential - freshwater (EP-freshwater)	kg P-eq	4,05E-01	3,84E-01	7,15E-03	3,49E-04	1,32E-02	3,96E-04	-2,28E-01
Eutrophication potential - marine (EP-marine)	kg N-eq	8,90E-01	7,52E-01	5,33E-02	3,92E-03	7,42E-02	6,45E-03	-3,83E-01
Eutrophication potential - terrestrial (EP-terrestrial)	mol N-eq	9,19E+00	7,74E+00	5,76E-01	1,69E-02	7,95E-01	5,99E-02	-4,13E+00
Photochemical Ozone Creation Potential (POCP)	kg NMVOC-eq	3,49E+00	2,84E+00	3,51E-01	5,82E-03	2,76E-01	2,33E-02	-1,36E+00
Water (user) deprivation potential (WDP)	m ³ world-eq deprived	3,46E+02	3,26E+02	7,77E+00	4,72E-01	8,48E+00	2,52E+00	-1,18E+02

ENVIRONMENTAL IMPACTS PER EQUIPMENT CORRESPONDING TO THE REFERENCE PRODUCT

OPTIONAL ENVIRONMENTAL IMPACT INDICATORS

IMPACT CATEGORY	UNIT OF MEASUREMENT	TOTAL (modulo D excluded)	MANUFACTURING A1-A3	DISTRIBUTION A4	INSTALLATION A5	USE B1-B7	END OF LIFE C1-C4	MODULE D
Ecotoxicity (fresh water)	<i>CTUe</i>	5,58E+03	5,05E+03	1,97E+02	4,54E+00	2,53E+02	7,32E+01	-2,58E+03
Human toxicity, non-carcinogenic effects	<i>CTUh</i>	8,32E-06	6,69E-06	9,24E-07	2,33E-08	5,44E-07	1,36E-07	-3,47E-06
Human toxicity, carcinogenic effects	<i>CTUh</i>	9,06E-07	8,46E-07	1,73E-08	5,06E-10	3,85E-08	3,53E-09	-5,01E-07
Ionizing radiation, human health	<i>kBq U235-eq</i>	4,23E+01	3,78E+01	1,77E+00	1,29E-01	2,50E+00	8,16E-02	-8,73E+00
Emission of fine particles	<i>Disease incidence</i>	1,34E-04	9,53E-05	7,73E-06	7,98E-08	3,08E-05	3,50E-07	-4,15E-05
Impacts related to land use/soil quality	<i>Dimensionless</i>	7,40E+03	6,22E+03	8,80E+02	1,07E+01	2,43E+02	3,71E+01	-1,42E+03

INDICATORS DESCRIBING OUTPUT FLOWS

IMPACT CATEGORY	UNIT OF MEASUREMENT	TOTAL (modulo D excluded)	MANUFACTURING A1-A3	DISTRIBUTION A4	INSTALLATION A5	USE B1-B7	END OF LIFE C1-C4	MODULE D
Components for re-use (CRU)	<i>kg</i>	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Exported electrical energy (EEE)	<i>MJ</i>	1,18E+01	0,00E+00	0,00E+00	1,18E+01	0,00E+00	0,00E+00	0,00E+00
Exported thermal energy (EET)	<i>MJ</i>	2,36E+01	0,00E+00	0,00E+00	2,36E+01	0,00E+00	0,00E+00	0,00E+00
Materials for energy recovery (MER)	<i>kg</i>	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Materials for recycling (MFR)	<i>kg</i>	4,68E+01	4,68E+01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00

ENVIRONMENTAL IMPACTS PER EQUIPMENT CORRESPONDING TO THE REFERENCE PRODUCT

INVENTORY FLOW INDICATORS

IMPACT CATEGORY	UNIT OF MEASUREMENT	TOTAL (modulo D excluded)	MANUFACTURING A1-A3	DISTRIBUTION A4	INSTALLATION A5	USE B1-B7	END OF LIFE C1-C4	MODULE D
Total use of non renewable primary energy resources (PENRT)	MJ	1,23E+04	9,93E+03	1,47E+03	1,56E+01	8,19E+02	6,50E+01	-4,29E+03
Total use of renewable primary energy resources (PERT)	MJ	1,55E+03	1,48E+03	2,42E+01	1,34E+00	4,02E+01	1,23E+00	-4,11E+02
Use of net fresh water (FW)	m3	7,51E+00	7,12E+00	1,79E-01	-2,01E-02**	1,88E-01	4,46E-02	-2,47E+00
Use of non renewable primary energy resources used as energy carrier (PENRE)	MJ	1,22E+04	9,49E+03	1,47E+03	3,68E+01	8,19E+02	3,61E+02	-4,29E+03
Use of non renewable primary energy resources used as raw materials (PENRM)	MJ	1,19E+02	4,36E+02	0,00E+00	-2,12E+01	0,00E+00	-2,96E+02	0,00E+00
Use of non renewable secondary fuels (NRSF)	MJ	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Use of renewable primary energy resources used as energy carrier (PERE)	MJ	1,14E+03	9,80E+02	2,42E+01	9,83E+01	4,02E+01	1,23E+00	-4,11E+02
Use of renewable primary energy resources used as raw materials (PERM)	MJ	4,01E+02	4,98E+02	0,00E+00	-9,70E+01	0,00E+00	0,00E+00	0,00E+00
Use of renewable secondary fuels (RSF)	MJ	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Use of secondary materials (SM)	kg	6,65E-01	6,65E-01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00

**The negative sign arises from the use of the following datasets: 'treatment of waste polyethylene, sanitary landfill | waste polyethylene | Cutoff, S' and 'treatment of waste wood, untreated, sanitary landfill | waste wood, untreated | Cutoff, S

ENVIRONMENTAL IMPACTS PER EQUIPMENT CORRESPONDING TO THE REFERENCE PRODUCT

INDICATORS DESCRIBING CATEGORIES OF WASTE

IMPACT CATEGORY	UNIT OF MEASUREMENT	TOTAL (modulo D excluded)	MANUFACTURING A1-A3	DISTRIBUTION A4	INSTALLATION A5	USE B1-B7	END OF LIFE C1-C4	MODULE D
Hazardous waste disposed (HWD)	kg	2,05E+02	2,00E+02	1,51E+00	6,76E-02	2,76E+00	5,62E-01	-1,34E+02
Non hazardous waste disposed (NHWD)	kg	1,53E+03	1,45E+03	1,61E+01	2,46E+01	2,38E+01	1,57E+01	-3,46E+02
Radioactive waste disposed (RWD)	kg	1,07E-02	9,58E-03	4,36E-04	3,29E-05	6,20E-04	2,02E-05	-2,19E-03

ENVIRONMENTAL IMPACTS PER EQUIPMENT CORRESPONDING TO THE REFERENCE PRODUCT

MANDATORY ENVIRONMENTAL IMPACT INDICATORS

IMPACT CATEGORY	UNIT OF MEASUREMENT	USE PHASE	B1	B2	B3	B4	B5	B6	B7
Global Warming Potential - biogenic (GWP-biogenic)	<i>kg CO2-eq</i>	3,28E-02	0,00E+00	3,28E-02	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Global Warming Potential - fossil fuels (GWP-fossil)	<i>kg CO2-eq</i>	6,98E+01	0,00E+00	6,98E+01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Global Warming Potential - land use and land use change (GWP-luluc)	<i>kg CO2-eq</i>	3,95E-02	0,00E+00	3,95E-02	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Global Warming Potential - total (GWP-total)	<i>kg CO2-eq</i>	6,99E+01	0,00E+00	6,99E+01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Abiotic depletion potential - fossil resources (ADPF)	<i>MJ</i>	8,19E+02	0,00E+00	8,19E+02	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Abiotic depletion potential - non-fossil resources (ADPE)	<i>kg Sb-eq</i>	5,49E-04	0,00E+00	5,49E-04	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Acidification potential, Accumulated Exceedance (AP)	<i>mol H+-eq</i>	2,67E-01	0,00E+00	2,67E-01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Depletion potential of the stratospheric ozone layer (ODP)	<i>kg CFC-11-eq</i>	1,10E-06	0,00E+00	1,10E-06	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Eutrophication potential - freshwater (EP-freshwater)	<i>kg P-eq</i>	1,32E-02	0,00E+00	1,32E-02	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Eutrophication potential - marine (EP-marine)	<i>kg N-eq</i>	7,42E-02	0,00E+00	7,42E-02	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Eutrophication potential - terrestrial (EP-terrestrial)	<i>mol N-eq</i>	7,95E-01	0,00E+00	7,95E-01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Photochemical Ozone Creation Potential (POCP)	<i>kg NMVOC-eq</i>	2,76E-01	0,00E+00	2,76E-01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Water (user) deprivation potential (WDP)	<i>m3 world-eq deprived</i>	8,48E+00	0,00E+00	8,48E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00

ENVIRONMENTAL IMPACTS PER EQUIPMENT CORRESPONDING TO THE REFERENCE PRODUCT

OPTIONAL ENVIRONMENTAL IMPACT INDICATORS

IMPACT CATEGORY	UNIT OF MEASUREMENT	USE PHASE	B1	B2	B3	B4	B5	B6	B7
Ecotoxicity (fresh water)	<i>CTUe</i>	2,53E+02	0,00E+00	2,53E+02	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Human toxicity, non-carcinogenic effects	<i>CTUh</i>	5,44E-07	0,00E+00	5,44E-07	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Human toxicity, carcinogenic effects	<i>CTUh</i>	3,85E-08	0,00E+00	3,85E-08	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Ionizing radiation, human health	<i>kBq U235-eq</i>	2,50E+00	0,00E+00	2,50E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Emission of fine particles	<i>Disease incidence</i>	3,08E-05	0,00E+00	3,08E-05	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Impacts related to land use/soil quality	<i>Dimensionless</i>	2,43E+02	0,00E+00	2,43E+02	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00

INDICATORS DESCRIBING OUTPUT FLOWS

IMPACT CATEGORY	UNIT OF MEASUREMENT	USE PHASE	B1	B2	B3	B4	B5	B6	B7
Components for re-use (CRU)	<i>kg</i>	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Exported electrical energy (EEE)	<i>MJ</i>	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Exported thermal energy (EET)	<i>MJ</i>	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Materials for energy recovery (MER)	<i>kg</i>	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Materials for recycling (MFR)	<i>kg</i>	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00

ENVIRONMENTAL IMPACTS PER EQUIPMENT CORRESPONDING TO THE REFERENCE PRODUCT

INVENTORY FLOW INDICATORS

IMPACT CATEGORY	UNIT OF MEASUREMENT	USE PHASE	B1	B2	B3	B4	B5	B6	B7
Total use of non renewable primary energy resources (PENRT)	<i>MJ</i>	8,19E+02	0,00E+00	8,19E+02	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Total use of renewable primary energy resources (PERT)	<i>MJ</i>	4,02E+01	0,00E+00	4,02E+01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Use of net fresh water (FW)	<i>m3</i>	1,88E-01	0,00E+00	1,88E-01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Use of non renewable primary energy resources used as energy carrier (PENRE)	<i>MJ</i>	8,19E+02	0,00E+00	8,19E+02	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Use of non renewable primary energy resources used as raw materials (PENRM)	<i>MJ</i>	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Use of non renewable secondary fuels (NRSF)	<i>MJ</i>	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Use of renewable primary energy resources used as energy carrier (PERE)	<i>MJ</i>	4,02E+01	0,00E+00	4,02E+01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Use of renewable primary energy resources used as raw materials (PERM)	<i>MJ</i>	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Use of renewable secondary fuels (RSF)	<i>MJ</i>	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Use of secondary materials (SM)	<i>kg</i>	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00

INDICATORS DESCRIBING CATEGORIES OF WASTE

IMPACT CATEGORY	UNIT OF MEASUREMENT	USE PHASE	B1	B2	B3	B4	B5	B6	B7
Hazardous waste disposed (HWD)	<i>kg</i>	2,76E+00	0,00E+00	2,76E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Non hazardous waste disposed (NHWD)	<i>kg</i>	2,38E+01	0,00E+00	2,38E+01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Radioactive waste disposed (RWD)	<i>kg</i>	6,20E-04	0,00E+00	6,20E-04	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00

EXTRAPOLATION RULES

The extrapolation coefficients are given for the environmental impact of the functional unit, namely the storage of 1 liter of water, and Declared Unit. For each stage of the life cycle, the environmental impacts of the product under consideration are calculated by multiplying the impacts of the declaration corresponding to the reference product - at the declared unit level or at the functional unit level - by the extrapolation coefficient. The "Total" column has to be calculated by adding the environmental impacts of each stage of the life cycle.

The models included are: BOLLY® 1 AP, BOLLY® 1 HY XL, BOLLY® 1 ST FB, BOLLY® 1 XL, BOLLY® 2, BOLLY® 2 HY AP, BOLLY® 2 HY DUO SOLAR, BOLLY® 2 HY XL, BOLLY® 2 ST FB, BOLLY® 2 ST XB, BOLLY® 2 XL, BOLLY® PRIMO, BOLLY® MURALE, EXTRA 1 COMPACT, EXTRA 1 ORIZZONTALE, EXTRA 1 PLUS, EXTRA 1 VAPORE, EXTRA 1 WX, EXTRA 2 PLUS, EXTRA 2 COMPACT, EXTRA 2 VAPORE, EXTRA 2 WX, EXTRA 3 PLUS, EXTRA 3 WX, INTERKA, INTERKA PANAREA, VASO INERZIALE, VASO INERZIALE A1, VASO STORAGE 1, VASO STORAGE 2, VASO STORAGE 3, VASO STORAGE COMPACT.

MANUFACTURING STAGE

$$\text{Coefficient on the scale of the declared unit} = \frac{\text{Total mass of the product considered} + \text{Mass of packaging of the product considered (kg)}}{\text{Total mass of the reference product} + \text{Mass of packaging of the reference product (kg)}}$$

$$\text{Coefficient on the functional unit scale} = \frac{\text{Total mass of the product considered} + \text{Mass of packaging of the product considered (kg)}}{\text{Total mass of the reference product} + \text{Mass of packaging of the reference product (kg)}} * \frac{\text{Total water storage capacity of reference product (L)}}{\text{Total water storage capacity of the product considered (L)}}$$

DISTIBUTION STAGE

$$\text{Coefficient on the scale of the declared unit} = \frac{\text{Total mass of the product considered} + \text{Mass of packaging of the product considered (kg)}}{\text{Total mass of the reference product} + \text{Mass of packaging of the reference product (kg)}}$$

DISTIBUTION STAGE

$$\text{Coefficient on the functional unit scale} = \frac{\text{Total mass of the product considered} + \text{Mass of packaging of the product considered (kg)}}{\text{Total mass of the reference product} + \text{Mass of packaging of the reference product (kg)}} * \frac{\text{Total water storage capacity of reference product (L)}}{\text{Total water storage capacity of the product considered (L)}}$$

INSTALLATION STAGE

$$\text{Coefficient on the scale of the declared unit} = \frac{\text{Mass of packaging of the product considered (kg)}}{\text{Mass of packaging of the reference product (kg)}}$$

$$\text{Coefficient on the functional unit scale} = \frac{\text{Mass of packaging of the product considered (kg)}}{\text{Mass of packaging of the reference product (kg)}} * \frac{\text{Total water storage capacity of reference product (L)}}{\text{Total water storage capacity of the product considered (L)}}$$

USE STAGE (MODULE B2)

Module B1, B3, B4, B5, B6 not applicable.

$$\text{Coefficient on the scale of the declared unit} = \frac{\text{Mass of the anode of the considered product (kg)}}{\text{Mass of the anode of the considered product (kg)}}$$

$$\text{Coefficient on the functional unit scale} = \frac{\text{Mass of the anode of the considered product (kg)}}{\text{Mass of the anode of the considered product (kg)}} * \frac{\text{Total water storage capacity of the reference product (L)}}{\text{Total water storage capacity of the considered product (L)}}$$

END OF LIFE STAGE

$$\text{Coefficient on the scale of the declared unit} = \frac{\text{Total mass of the product considered (kg)}}{\text{Total mass of the reference product (kg)}}$$

$$\text{Coefficient on the functional unit scale} = \frac{\text{Total mass of the product considered (kg)}}{\text{Total mass of the reference product (kg)}} * \frac{\text{Total water storage capacity of reference product (L)}}{\text{Total water storage capacity of the product considered (L)}}$$

BENEFITS AND LOADS BEYOND THE SYSTEM BOUNDARIES STAGE

$$\text{Coefficient on the scale of the declared unit} = \frac{\text{Total mass of the product considered} + \text{Mass of packaging of the product considered (kg)}}{\text{Total mass of the reference product} + \text{Mass of packaging of the reference product (kg)}}$$

$$\text{Coefficient on the functional unit scale} = \frac{\text{Total mass of the product considered} + \text{Mass of packaging of the product considered (kg)}}{\text{Total mass of the reference product} + \text{Mass of packaging of the reference product (kg)}} * \frac{\text{Total water storage capacity of reference product (L)}}{\text{Total water storage capacity of the product considered (L)}}$$

COEFFICIENT ON THE FUNCTIONAL UNIT SCALE

An example of this calculation is provided in the present PEP, while the complete list of extrapolation coefficients for all products included in the homogeneous family is attached in the accompanying Excel file (CORD-00007-V.01.01 STORAGE TANKS - Extrapolation rules).

Homogeneous Family Products			Manufacturing A1-A3	Distribution A4	Installation A5	Use B2	End of Life C1-C4	MODULE D
BOLLY®2 ST FB	3134162330011	BOLLY®2 ST FB WB	1,266	1,266	1,120	0,667	1,278	1,266
	3134162330012	BOLLY®2 ST FB WB	1,123	1,123	0,993	0,592	1,133	1,123
	3134162330013	BOLLY®2 ST FB WB	0,955	0,955	0,845	0,503	0,964	0,955
	3134162330014	BOLLY®2 ST FB WB	0,999	0,999	0,884	0,527	1,009	0,999
	3134162330015	BOLLY®2 ST FB WB	0,886	0,886	0,784	0,467	0,895	0,886
	3134162330016	BOLLY®2 ST FB WB	0,991	0,991	0,877	0,522	1,001	0,991
	3134162330017	BOLLY®2 ST FB WB	0,929	0,929	0,822	0,490	0,938	0,929
	3134162330018	BOLLY®2 ST FB WB	0,793	0,793	0,701	0,418	0,800	0,793
	3138162320112	BOLLY®2 ST FB WC	1,000	1,000	1,000	1,000	1,000	1,000
	3138162320113	BOLLY®2 ST FB WC	0,883	0,883	0,781	0,465	0,891	0,883
3138162320114	BOLLY®2 ST FB WC	0,782	0,782	0,692	0,412	0,789	0,782	

COEFFICIENT ON THE DECLARED UNIT SCALE

Homogeneous Family Products			Manufacturing A1-A3	Distribution A4	Installation A5	Use B2	End of Life C1-C4	MODULE D
BOLLY®2 ST FB	3134162330011	BOLLY®2 ST FB WB	0,237	0,237	0,210	0,125	0,240	0,237
	3134162330012	BOLLY®2 ST FB WB	0,281	0,281	0,248	0,148	0,283	0,281
	3134162330013	BOLLY®2 ST FB WB	0,358	0,358	0,317	0,189	0,362	0,358
	3134162330014	BOLLY®2 ST FB WB	0,500	0,500	0,442	0,263	0,505	0,500
	3134162330015	BOLLY®2 ST FB WB	0,554	0,554	0,490	0,292	0,559	0,554
	3134162330016	BOLLY®2 ST FB WB	0,991	0,991	0,877	0,522	1,001	0,991
	3134162330017	BOLLY®2 ST FB WB	1,162	1,162	1,028	0,612	1,173	1,162
	3134162330018	BOLLY®2 ST FB WB	1,486	1,486	1,315	0,783	1,501	1,486
	3138162320112	BOLLY®2 ST FB WC	1,000	1,000	1,000	1,000	1,000	1,000
	3138162320113	BOLLY®2 ST FB WC	1,103	1,103	0,976	0,581	1,114	1,103
3138162320114	BOLLY®2 ST FB WC	1,466	1,466	1,297	0,772	1,480	1,466	

Calorifiers for Domestic Hot Water



1,31E+00 kg CO₂ eq.
Global Warming*



1,73E+01 MJ
Total use of primary energy*



8,45E-06 kg Sb-eq.
Depletion of abiotic resources*



9,38E-03 m³
Net use of fresh water*

*Results based on the lifecycle analysis per liter corresponding to the functional unit



Extract from collective PEP ecopassport n° CORD-00007-V01.01-EN
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