



orasgroup



Environmental Product Declaration

In accordance with ISO 14025 and EN 15804:2012+A2:2019 for:

Product group: **Touchless composite washbasin faucet**
according to reference product 9230BFZ

from

Oras Group

Programme:

Programme operator:

EPD registration number:

Publication date:

Valid until:

The International EPD® System, www.environdec.com

EPD International AB

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An EPD should provide current information and may be updated if conditions change. The stated validity is therefore subject to the continued registration and publication at www.environdec.com

General information

Programme information

Programme	The International EPD® System
Address	EPD International AB Box 210 60 SE-100 31 Stockholm Sweden
Website	www.environdec.com
E-mail	info@environdec.com

Accountabilities for PCR, LCA and independent, third-party verification

Product Category Rules (PCR)	<p>CEN standard EN 15804 serves as the Core Product Category Rules (PCR)</p> <p>Product Category Rules (PCR): Construction products, 2019:14, version 1.2.5, UN CPC 42911 - Sinks, washbasins, baths and other sanitary ware and parts thereof, of iron, steel, copper or aluminium.</p> <p>PCR review was conducted by: The Technical Committee of the International EPD® System. Chair of the PCR review: Claudia A. Peña. The review panel may be contacted via info@environdec.com.</p>
Life Cycle Assessment (LCA)	<p>LCA accountability: Aleksii Laurila, Environmental consultant. Organization: Ecobio Oy.</p>
Third-party verification	<p>Independent third-party verification of the declaration and data, according to ISO 14025:2006, via:</p> <p><input checked="" type="checkbox"/> EPD verification by individual verifier</p> <p>Third-party verifier: Hannu Karppi, Ramboll Finland Oy</p>  <p>Approved by: The International EPD® System</p>
<p>Procedure for follow-up of data during EPD validity involves third party verifier: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	

The EPD owner has the sole ownership, liability, and responsibility for the EPD.

EPDs within the same product category but from different programmes may not be comparable. EPDs of construction products may not be comparable if they do not comply with EN 15804. For further information about comparability, see EN 15804 and ISO 14025.

Company information

Owner of the EPD	Oras Group
Contact	Phone: +358 2 83 161 Email: info@orasgroup.com www.orasgroup.com
Description of the organisation	<p>Oras Group is a significant European provider of sanitary fittings: the market leader in the Nordics and a leading company in Continental Europe. The company's mission is to create the smartest water experiences for everyone and its vision is to become the Perfect Flow Company. The Group has two strong brands, Oras and Hansa. Oras Group is owned by Oras Invest, a family company, and an industrial owner.</p> <p>The domicile of Oras Ltd, the parent company of the Group, is located in Rauma, Finland, and the Group has three manufacturing sites: Kralovice (Czech Republic), Olesno (Poland) and Rauma (Finland). The Group operates with its own staff in 17 markets. Oras Group's net sales were 233.5 million euros in 2021 and at the end of the period the company employed 1255 people.</p>
Product-related or management system-related certifications	Designation according to standard EN 15091
Management system related certifications	ISO 9001:2015 ISO14001:2015 ISO 45001: 2018 ISO 50001:2018
Name and location of production sites	<p>Oras Group Rauma production site Isometsäntie 2, FI 26101 Rauma, Finland</p> <p>Oras Group Olesno production site Ul. Leśna 2, PL 46-300 Olesno, Poland</p> <p>Oras Group Kralovice production site Zatecka 888, CZ 33141 Kralovice, Czech Republic</p>



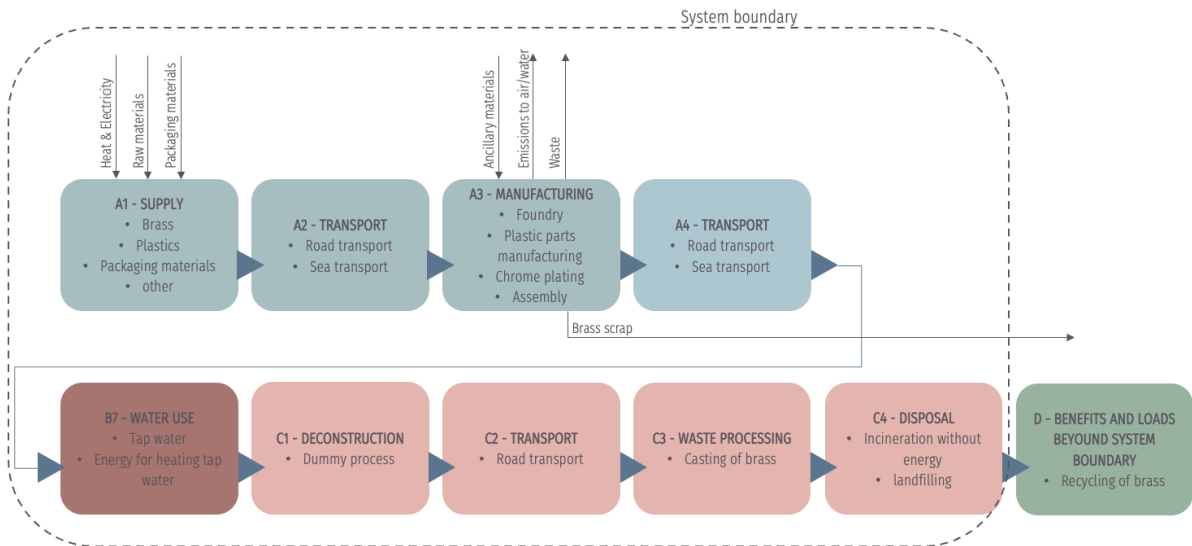
Product group information

Product group name	Touchless composite washbasin faucet
Product group EPD development criterion	This EPD covers touchless composite washbasin faucets product group. Worst-case scenario approach was applied while developing the EPD. Share of brass (%) from the net weight of the product was selected as the indicator for determining worst-case product within the product group. LCIA profile presented in this EPD is based on a product that has the highest share of brass (%) from mass perspective within the product group.
Product group identification	Touchless faucet for wash basin, horizontal mounted, single hole, according to EN 15091, composite housing
Product group description	Oras Group products are manufactured in our own European factories by focusing into sustainable energy sources, highly efficient processes and minimized material usage and waste. Faucets include built-in features for water flow and temperature limitation to ensure sustainable product life cycle with efficient use of energy.
UN CPC code	42911 - Sinks, washbasins, baths and other sanitary ware and parts thereof, of iron, steel, copper or aluminium
Geographical scope	Europe
Included products	Reference product is 9230BFZ. The EPD covers products listed at the end of the EPD document.

LCA information

Functional unit / declared unit	1 kg of Touchless composite washbasin faucet
Reference service life	The reference service life for touchless composite washbasin faucet is 16 years. The technical service life for touchless composite washbasin faucet is 25 years.
Time representativeness	The data was collected covering production year 2020, which is considered to represent average production year for touchless composite washbasin faucets. The material declarations used as a basis for modelling the raw material supply are compiled in 2022.
Databases and LCA software	Ecoinvent 3.8 and SimaPro (Version 9.4.0.2).
Description of system boundaries	Cradle to gate with options, modules C1–C4, module D and with optional modules (A1–A3 + C + D and additional modules). The additional modules are A4 and B7.

System diagram



LCA practitioner	Ecobio Oy, www.ecobio.fi
Allocation	Co-product allocation was applied for the brass scrap that is produced from the foundry process. Economic co-product allocation was applied based on the hierarchy presented for co-product allocation on the EN 15804:2012+A2:2019.
Electricity used in module A3	<p>The electricity used in module A3 accounts for more than 30 % of the total energy consumption in modules A1-A3. Therefore, the used energy sources for electricity production and climate change impact of the electricity mix are stated.</p> <p>At Rauma production site the electricity is 100 % based on hydropower. GWP-GHG impact of the used electricity mix is 5,4 g CO₂-eq/kWh.</p> <p>At Olesno manufacturing facility the electricity is based on biomass and biogas 5,90 %, hydropower 1,72 %, wind 11,85 %, solar (PV) 0,45 %, coal 47,61 %, lignite 23,59 % and natural gas 8,88 %. GWP-GHG impact of the used electricity mix is 694,0 g CO₂-eq/kWh.</p> <p>At Kralovice manufacturing facility the electricity is based on coal 40,83 %, nuclear 42,06 %, natural gas 10,35 %, biomass 4,43 %. GWP-GHG impact of the used electricity mix is 850,0 g CO₂-eq/kWh.</p>
Information about scenarios and additional technical information	The scenario for operational water use is described on chapter "Additional Information".

Modules declared

Geographical scope, share of specific data (in GWP-GHG indicator) and data variation:

	Product stage			Construction process stage		Use stage							End of life stage				Resource recovery stage
	Raw material supply	Transport	Manufacturing	Transport	Construction installation	Use	Maintenance	Repair	Replacement	Refurbishment	Operational energy use	Operational water use	De-construction demolition	Transport	Waste processing	Disposal	Reuse-Recovery-Recycling-potential
Module	A1	A2	A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
Modules declared	x	x	x	x	ND	ND	ND	ND	ND	ND	ND	x	x	x	x	x	x
Geography	EU27	EU27	EU27	EU27	-	-	-	-	-	-	-	EU27	EU27	EU27	EU27	EU27	EU27
Specific data used	> 90 %					-	-	-	-	-	-	-	-	-	-	-	-
Variation – products	< 10 %					-	-	-	-	-	-	-	-	-	-	-	-
Variation – sites	47 %					-	-	-	-	-	-	-	-	-	-	-	-

Modules explained

LCA Modules	
A1 Raw material supply <p>This module contains the supply of raw materials including brass, stainless steel, plastics, rubbers and other materials in smaller quantities.</p>	C1 De-construction <p>This module is assumed to not cause environmental impacts as the de-construction of faucet product can be done with manual labour and does not require external energy sources.</p>
A2 Transportation <p>This module contains the transportation of raw materials and prefabricated components from suppliers to Oras Group's production facilities. Average transportation route covering all the relevant raw materials was developed as there is wide range of possible supply locations even for single raw materials and components. Transportation takes place by road and sea.</p>	C2 Transport <p>This module contains the transportation of product for waste processing to nearest waste processing facility. Transportation is done by road and the distance is assumed to be 50 km.</p>
A3 Manufacturing <p>This module contains the relevant production processes for touchless composite washbasin faucets. The most relevant processes are casting in foundry, production of plastic parts and chrome-plating of brass and plastic parts. Treatment of waste and wastewater are also included. The used electricity mix for manufacturing stage is stated on chapter "LCA Information".</p>	C3 Waste processing <p>This module contains the waste processing related to material recycling of brass. It is assumed that 90 % of the brass is headed for material recycling process, which includes casting of brass into brass ingots.</p>
A4 Transport <p>This module contains the transportation of the final product to warehouses from where further distribution takes place. Both truck and ferry transportation are included. Transportation distance is 632-1 075 km by road and 207-960 km by sea depending on the location of the warehouse. The scenario does not include transportation to construction site.</p>	C4 Disposal <p>This module contains final disposal of materials that are not headed for material or energy recovery. Stainless steel, plastic components, rubber components, packaging materials of the final product and 10 % of brass are assumed to be headed for incineration without energy recovery. Other components in smaller quantities are assumed to be headed to landfill.</p>
B7 Operational water use <p>This module contains the production, heating and wastewater treatment of tap water related to the use of touchless composite washbasin faucet. The scenario for operational water use is described more precisely on chapter "Additional Information".</p>	D Benefits and loads beyond system boundary <p>This module contains the benefits related to material recycling of brass. Brass is recycled through casting process, and it is assumed to substitute virgin brass production from the market</p>

Content information

Product components	Weight, kg	Post-consumer material, weight-%	Renewable material, weight-%
Acrylonitrile butadiene styrene	0,2194	0 %	0 %
Brass	0,1779	0 %	0 %
Chromium,	0,0001	0 %	0 %
Cobalt, Fused silica, Gold, Iron, Mangan, Palladium, Phosphorus, Silicon, Silver, Tin	< 0,0001	0 %	0 %
Copper	0,0140	0 %	0 %
Ethylene propylene diene monomer	0,0120	0 %	0 %
Neodymium Iron Boron	0,0045	0 %	0 %
Nickel	0,0003	0 %	0 %
Other	0,0441	0 %	0 %
Polyamide	0,0093	0 %	0 %
Polyamide PA12	0,0014	0 %	0 %
Polybutylene terephthalate	0,0101	0 %	0 %
Polybutylene terephthalate GF30	0,0006	0 %	0 %
Polycarbonate	0,0017	0 %	0 %
Polyoxymethylene	0,0394	0 %	0 %
Polyoxymethylene GF10	0,0027	0 %	0 %
Polypropene LGF40	0,0311	0 %	0 %
Polyphenylene oxide	0,0006	0 %	0 %
Polyphenylene sulfide	0,2084	0 %	0 %
Polyphenylsulfone	0,0370	0 %	0 %
Polysulfone	0,0019	0 %	0 %
Polyvinyl chloride	0,0077	0 %	0 %
Softpex	0,0478	0 %	0 %
Stainless steel	0,1245	0 %	0 %
Svhc	0,0026	0 %	0 %
Thermoplastic polyurethane	0,0009	0 %	0 %
TOTAL	1,0000	0 %	0 %
Packaging materials	Weight, kg	Weight-% (versus the product)	
Corrugated board	0,1881	18,81 %	
Polyethylene	0,0011	0,11 %	
Sharp tear	0,0002	0,02 %	
TOTAL	0,1895	18,95 %	

The products do not contain substances which exceed the limits for registration with the European Chemicals Agency regarding the “Candidate List of Substances of Very High Concern for authorization”. The products contain one substance of the “list of substances of very high concern (SVHC)”. The substance is lead as a composition in brass alloys up to 3,5% while still complying to the EU Drinking Water Directive (DWD) and 4 MSI positive list for metallic materials.

Products with battery supply also contain a second substance of the “list of substances of very high concern (SVHC)”: 1,2-dimethoxyethane, ethylene glycol dimethyl ether (EGDME) (CAS Number 110-71-4) is included in electronic products as a constituent in lithium batteries.

Environmental Information

Potential environmental impact – mandatory indicators according to EN 15804

Results per 1 kg of Touchless composite washbasin faucet

Indicator	Unit	A1	A2	A3	Tot. A1-A3	A4	B7	C1	C2	C3	C4	D
GWP-fossil	kg CO ₂ eq.	5,14E+00	2,48E-01	4,61E-01	5,84E+00	2,28E-01	1,55E+02	0,00E+00	1,07E-02	3,19E-03	1,39E+00	-1,10E+00
GWP-biogenic	kg CO ₂ eq.	2,50E-02	1,64E-04	-3,54E-02	-1,03E-02	1,41E-04	6,13E+00	0,00E+00	1,03E-05	4,03E-04	3,87E-01	-7,12E-03
GWP-luluc	kg CO ₂ eq.	5,27E-03	1,16E-04	1,39E-03	6,77E-03	1,07E-04	1,36E-01	0,00E+00	5,04E-06	1,01E-06	3,20E-05	-2,45E-03
GWP-total	kg CO ₂ eq.	5,17E+00	2,48E-01	4,27E-01	5,84E+00	2,28E-01	1,61E+02	0,00E+00	1,07E-02	3,60E-03	1,78E+00	-1,11E+00
ODP	kg CFC 11 eq.	7,52E-07	5,54E-08	5,58E-08	8,63E-07	5,06E-08	1,65E-05	0,00E+00	2,41E-09	3,90E-10	1,12E-08	-6,24E-08
AP	mol H ⁺ eq.	1,08E-01	2,57E-03	2,31E-03	1,13E-01	2,85E-03	6,51E-01	0,00E+00	4,26E-05	7,49E-06	4,84E-04	-8,03E-02
EP-freshwater	kg P eq.	2,97E-03	5,32E-06	6,56E-05	3,04E-03	4,59E-06	2,71E-02	0,00E+00	2,98E-07	2,32E-07	4,48E-06	-2,37E-03
EP-marine	kg N eq.	7,75E-03	6,75E-04	9,61E-04	9,39E-03	7,46E-04	5,14E-01	0,00E+00	1,24E-05	2,11E-06	4,10E-04	-4,12E-03
EP-terrestrial	mol N eq.	9,53E-02	7,45E-03	6,99E-03	1,10E-01	8,25E-03	1,28E+00	0,00E+00	1,35E-04	2,48E-05	2,23E-03	-5,65E-02
POCP	kg NMVOC eq.	3,16E-02	2,05E-03	1,43E-03	3,51E-02	2,23E-03	3,64E-01	0,00E+00	4,16E-05	6,97E-06	5,95E-04	-1,55E-02
ADP-minerals&metals*	kg Sb eq.	2,30E-03	7,45E-07	3,21E-06	2,30E-03	6,43E-07	5,51E-04	0,00E+00	4,88E-08	1,44E-08	2,67E-07	-2,00E-03
ADP-fossil*	MJ	8,82E+01	3,62E+00	4,13E+00	9,59E+01	3,29E+00	2,42E+03	0,00E+00	1,60E-01	5,02E-02	3,64E-01	-1,38E+01
WDP	m ³	3,99E+00	1,00E-02	-1,73E-01	3,83E+00	8,63E-03	8,84E+01	0,00E+00	5,30E-04	2,42E-04	1,88E-02	-1,40E+00

Acronyms

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 Exceedance; 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 Exceedance; POCP = Formation potential of tropospheric ozone; ADP-minerals&metals = Abiotic depletion potential for non-fossil resources; ADP-fossil = Abiotic depletion for fossil resources potential; WDP = Water (user) deprivation potential, deprivation-weighted water consumption

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

Potential environmental impact – additional mandatory and voluntary indicators

Results per 1 kg of Touchless composite washbasin faucet

Indicator	Unit	A1	A2	A3	Tot. A1-A3	A4	B7	C1	C2	C3	C4	D
GWP-GHG1	kg CO2 eq.	5,16E+00	2,48E-01	4,84E-01	5,89E+00	2,28E-01	1,56E+02	0,00E+00	1,07E-02	3,21E-03	1,47E+00	-1,11E+00

Use of resources

Results per 1 kg of Touchless composite washbasin faucet

Indicator	Unit	A1	A2	A3	Tot. A1-A3	A4	B7	C1	C2	C3	C4	D
PERE	MJ	7,39E+00	4,53E-02	2,30E+01	3,04E+01	3,97E-02	4,78E+02	0,00E+00	2,70E-03	1,33E-02	3,27E-02	-3,62E+00
PERM	MJ	0	0	0	0	0	0	0	0	0	0	0
PERT	MJ	7,39E+00	4,53E-02	2,30E+01	3,04E+01	3,97E-02	4,78E+02	0,00E+00	2,70E-03	1,33E-02	3,27E-02	-3,62E+00
PENRE	MJ	8,82E+01	3,62E+00	4,13E+00	9,59E+01	3,29E+00	2,42E+03	0,00E+00	1,60E-01	5,02E-02	3,64E-01	-1,38E+01
PENRM	MJ.	0	0	0	0	0	0	0	0	0	0	0
PENRT	MJ	8,82E+01	3,62E+00	4,13E+00	9,59E+01	3,29E+00	2,42E+03	0,00E+00	1,60E-01	5,02E-02	3,64E-01	-1,38E+01
SM	kg	0	0	0	0	0	0	0	0	0	0	0
RSF	MJ	0	0	0	0	0	0	0	0	0	0	0
NRSF	MJ	0	0	0	0	0	0	0	0	0	0	0
FW	m3	9,89E-02	3,66E-04	8,86E-02	1,88E-01	3,17E-04	2,70E+00	0,00E+00	2,02E-05	4,59E-05	9,21E-04	-3,45E-02

Acronyms

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

¹ The indicator includes all greenhouse gases included in GWP-total but excludes biogenic carbon dioxide uptake and emissions and biogenic carbon stored in the product. This indicator is thus almost equal to the GWP indicator originally defined in EN 15804:2012+A1:2013.

Waste production and output flows

Waste production

Results per 1 kg of Touchless composite washbasin faucet												
Indicator	Unit	A1	A2	A3	Tot. A1-A3	A4	B7	C1	C2	C3	C4	D
Hazardous waste disposed	kg	4,57E-02	8,27E-06	8,54E-06	4,58E-02	7,14E-06	5,70E-03	0,00E+00	4,29E-07	6,39E-08	1,26E-06	-5,62E-04
Non-hazardous waste disposed	kg	2,12E+00	1,52E-01	1,94E-01	2,47E+00	1,27E-01	1,78E+01	0,00E+00	6,78E-03	4,12E-03	1,13E-01	-4,32E-01
Radioactive waste disposed	kg	1,33E-04	2,45E-05	1,57E-05	1,73E-04	2,24E-05	1,06E-02	0,00E+00	1,07E-06	2,17E-07	1,35E-06	-5,08E-05

Output flows

Results per 1 kg of Touchless composite washbasin faucet												
Indicator	Unit	A1	A2	A3	Tot. A1-A3	A4	B7	C1	C2	C3	C4	D
Components for re-use	kg	0	0	0	0	0	0	0	0	0	0	0
Material for recycling	kg	0	0	0	0	0	0	0	0	0,200	0	0
Materials for energy recovery	kg	0	0	0	0	0	0	0	0	0	0	0
Exported energy, electricity	MJ	0	0	0	0	0	0	0	0	0	0	0
Exported energy, thermal	MJ	0	0	0	0	0	0	0	0	0	0	0

Information on biogenic carbon content

Results per 1 kg of Touchless composite washbasin faucet		
BIOGENIC CARBON CONTENT	Unit	QUANTITY
Biogenic carbon content in product	kg C	0,0000
Biogenic carbon content in packaging	kg C	0,0941

Note: 1 kg biogenic carbon is equivalent to 44/12 kg CO₂.

Additional information

The scenario for module B7 “Operational water use” is based on Unified Water Label (UWL), which is a product label developed by European bathroom industry to demonstrate water and energy efficiency of bathroom products. The technical criteria of UWL correlates with existing European and National standards while establishing harmonised calculation criteria for bathroom products. The following parameters were applied when developing the scenario related to operational water use.

Parameter	Amount	Unit
Reference flow	1	l/min
Use cycles per day	7	use cycles/day
Length of use cycle	1	min
Use cycles per year	365	days
Cold water temperature	15	°C
Hot water temperature	38	°C
Heat coefficient of water	4,18	kJ/kgK
Density of water	0,981	kg/l
Length of the use stage	16	years

The annual water consumption according to the parameters stated above is 2 555 l. However, according to the UWL methodology the annual water consumption can be divided by two for touchless composite washbasin faucets. This means that the annual water consumption is 1 277,5 l. It is assumed that all of the water consumption for touchless composite washbasin faucet is hot water. 33,47 kWh of energy is consumed annually for the heating of water. The scenario for operational water use covers 16 years which is the reference service life of touchless composite washbasin faucets. The energy profile for heating of water is based on Eurostat statistics describing disaggregated final energy consumption in households used for water heating in year 2018. The geographical coverage of the data is Europe (EU27). The following values were applied when modelling the energy profile for heating of domestic water.

Source of energy	Amount	Unit
Solid fossil fuels and peat	1,21	%
Natural gas	32,89	%
Liquefied natural gas	2,48	%
Oil and petroleum products	9,15	%
Other kerosene	0,42	%
Gas oil and diesel oil	6,25	%
Renewables and biofuels	10,54	%
Solar thermal	4,03	%
Ambient heat (heat pumps)	1,06	%
Primary solid biofuels	5,34	%
Biogases	0,09	%
Electricity	16,23	%
District heat	10,31	%
Total	100,00	%

Operational water use scenario

The scenario for operational water use covers the water and energy consumption related to use of touchless composite washbasin faucet by one person for 16 years according to the calculation parameters described in UWL methodology. The scenario presented in this EPD is an estimation of the potential environmental impacts related to the use stage of faucet product and the scenario aims to emphasize the significance of the use stage in relation to the products life cycle. In reality, the environmental impacts arising from the use stage of the product are very dependent on behavior of the user, nominal flow of the faucet product and energy sources used for heating of domestic water.

The use stage scenario is calculated based on flow rate of 1 l/min to enable further calculations of environmental impacts related to product specific flow rates. More information about the nominal flows of touchless composite washbasin faucet can be found from Oras Group's website.

Differences versus previous versions

This is the first version of the EPD so there are no differences versus previous versions of the EPD.

References

Disaggregated final energy consumption in households – Energy use – Water heating. Eurostat. 2022.

Ecobio LCA report – Faucet products. Oras Group. 2022.

General Programme Instructions of the International EPD® System. Version 4.0.

MEErP Preparatory Study on Taps and Showers. European Commission. 2014.

PCR 2019:14. Construction products. Version 1.2.5.

Taps & showers technical criteria. Unified Water Label. 2020.



Included products

9230BFZ	Washbasin faucet, Bluetooth	92202219	Washbasin faucet, 3 V, Bluetooth
9200FZ	Washbasin faucet, 3 V, Bluetooth	92202009	Washbasin faucet, 230/9 V, Bluetooth
9200FTZ	Washbasin faucet, 230/9 V, Bluetooth	9220221933	Washbasin faucet, 3 V, Bluetooth
9210FZ	Washbasin faucet, 3 V, Bluetooth	9220200933	Washbasin faucet, 230/9 V, Bluetooth
9210FZ-104	Washbasin faucet, 3 V, Bluetooth	92302239	Washbasin faucet, Bluetooth
9210FZ-105	Washbasin faucet, 3 V, Bluetooth	9300FZ	Washbasin faucet, 3 V, Bluetooth
9210FZ-33	Washbasin faucet, 3 V, Bluetooth	9300FTZ	Washbasin faucet, 230/9 V, Bluetooth
9212FZ	Washbasin faucet, 3 V, Bluetooth	9301FZ	Washbasin faucet, 3 V, Bluetooth
9212FZ-104	Washbasin faucet, 3 V, Bluetooth	9310FZ	Washbasin faucet, 3 V, Bluetooth
9212FZ-105	Washbasin faucet, 3 V, Bluetooth	9310FTZ	Washbasin faucet, 230/9 V, Bluetooth
9212FZ-33	Washbasin faucet, 3 V, Bluetooth	9320FZ	Washbasin faucet, 3 V, Bluetooth
9220FZ	Washbasin faucet, 3 V, Bluetooth	9330BFZ	Washbasin faucet, Bluetooth
9220FZ-104	Washbasin faucet, 3 V, Bluetooth	93002219	Washbasin faucet, 3 V, Bluetooth
9220FZ-105	Washbasin faucet, 3 V, Bluetooth	93002009	Washbasin faucet, 230/9 V, Bluetooth
9220FTZ	Washbasin faucet, 230/9 V, Bluetooth	93012219	Washbasin faucet, 3 V, Bluetooth
9220FZ-33	Washbasin faucet, 3 V, Bluetooth	93012009	Washbasin faucet, 230/9 V, Bluetooth
9222FZ	Washbasin faucet, 3 V, Bluetooth	93102219	Washbasin faucet, 3 V, Bluetooth
9222FZ-104	Washbasin faucet, 3 V, Bluetooth	93102009	Washbasin faucet, 230/9 V, Bluetooth
9222FZ-105	Washbasin faucet, 3 V, Bluetooth	93202219	Washbasin faucet, 3 V, Bluetooth
9222FZ-33	Washbasin faucet, 3 V, Bluetooth	93202009	Washbasin faucet, 230/9 V, Bluetooth
9232BFZ	Washbasin faucet, Bluetooth	93302239	Washbasin faucet, Bluetooth
92002219	Washbasin faucet, 3 V, Bluetooth	9100FZ	Washbasin faucet, 3 V, Bluetooth
92002009	Washbasin faucet, 230/9 V, Bluetooth	9110FZ	Washbasin faucet, 3 V, Bluetooth
92012219	Washbasin faucet, 3 V, Bluetooth	9110FZ-33	Washbasin faucet, 3 V, Bluetooth
92012009	Washbasin faucet, 230/9 V, Bluetooth	91002219	Washbasin faucet, 3 V, Bluetooth
92102219	Washbasin faucet, 3 V, Bluetooth	91002009	Washbasin faucet, 230/9 V, Bluetooth
921022190004	Washbasin faucet, 3 V, Bluetooth	91102219	Washbasin faucet, 3 V, Bluetooth
921022190005	Washbasin faucet, 3 V, Bluetooth	91102009	Washbasin faucet, 230/9 V, Bluetooth
9210221933	Washbasin faucet, 3 V, Bluetooth	9110221933	Washbasin faucet, 3 V, Bluetooth
92102009	Washbasin faucet, 230/9 V, Bluetooth	9110200933	Washbasin faucet, 230/9 V, Bluetooth
9210200933	Washbasin faucet, 230/9 V, Bluetooth		