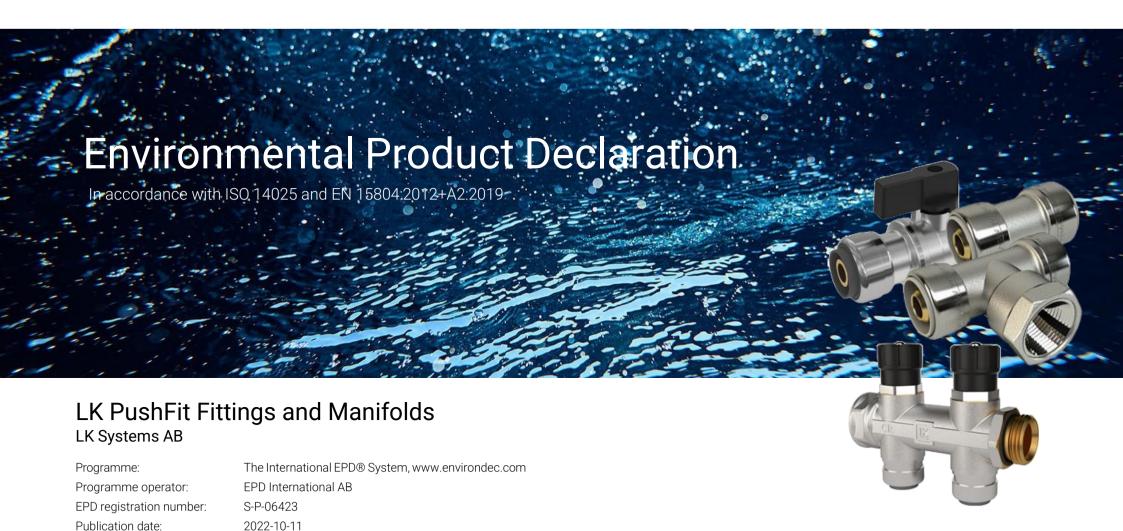


Valid until:



2027-10-11





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





Company information

| | LK Systems AB |
|--|---------------------------|
| Owner of the EPD: | Johannesfredsvägen 7 |
| Owner of the EPD. | 168 69 Bromma |
| | Sweden |
| Contact: | info@lksystems.se |
| Contact. | https://www.lksystems.se/ |
| Location of production site: | China |
| Product-related or management system-related certifications: | TG 1131 |

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.

Programme information

| Programme: | The International EPD® System | | | | | | | | |
|---|--|--|--|--|--|--|--|--|--|
| | EPD International AB | | | | | | | | |
| Address: | Box 210 60 | | | | | | | | |
| Address. | SE-100 31 Stockholm | | | | | | | | |
| | Sweden | | | | | | | | |
| Website: | www.environdec.com | | | | | | | | |
| E-mail: | info@environdec.com | | | | | | | | |
| CEN standard EN 1 | 5804 serves as the Core Product Category Rules (PCR) | | | | | | | | |
| Product category ru (1.11) | lles (PCR): 2019:14, Construction products (EN 15804:A2) | | | | | | | | |
| PCR review was cor the International EP | nducted by: Claudia A. Peña, The Technical Committee of D® System. | | | | | | | | |
| Contact: info@envir | ondec.com | | | | | | | | |
| Independent third-p ISO 14025:2006: | arty verification of the declaration and data, according to | | | | | | | | |
| ☐ EPD process certification ☒ EPD verification | | | | | | | | | |
| Third party verifier: Daniel Böckin, PhD, under guidance of Pär Lindman, Miljögiraff AB, daniel@miljogiraff.se. | | | | | | | | | |
| Approved by: The In | ternational EPD® System. | | | | | | | | |



K

Company information

LK Systems is the leading manufacturer of easy-to-install systems for heating and tap water distribution in the Nordics. Through our prefabrication factory, we also provide tailor-made solutions that simplify the installation process even further. From idea to final solution, you can be sure of the smartest answers for your everyday challenges, today and tomorrow

For the simpler, smarter everyday

Simpler. Smarter. More sustainable. At LK, we believe there's a better way to do everything. That's why – from water, heating and hydronic solutions to pipe extrusion – we push for innovation over status quo and simplicity over complexity. It's a belief all of us at LK apply to every product and solution we create

Product information

LK PushFit products are primarily intended for heating, water, and cooling systems and must not be used for gas distribution systems. All LK PushFit parts that come into contact with water are manufactured from dezincification-resistant brass

LK PushFit fittings are type-approved for all LK Universal PE-X and PAL pipes dim. 16-25. LK PushFit fittings are only suitable for use with LK PE-X Universal and LK PAL Universal pipe. The designation AX means that the fitting is suitable for both LK Universal PE-X and PAL pipes.

The EPD represents several product versions. The EPD is an average EPD and the declared unit is based on LK Ball Valve. The result presented in the EPD has the highest result of all products declared and the variations between the products stays within 10% (GWP-GHG). See additional information for total weight of the products included in the EPD.

Further information can be found at https://www.lksystems.se/

| Product name | Product number |
|--|-------------------------------------|
| LK PushFit AX Straight fitting | 1882448; 1882449; 1882450; 1882451; |
| ERT don't FAX offdight fitting | 1882452 |
| LK PushFit AX Straight fitting male | 1882453; 1882454; 1882455; 1882456; |
| Erri dom ic / v. oci digne necing male | 1882457; 1882458; 1882459; 1882460 |
| LK PushFit AX Straight fitting female | 1882461; 1882462; 1882463; 1882464; |
| | 1882465; 1882466; 1882467 |
| LK PushFit AX Straight fitting with loose nut | 1882468: 1882469: 1882470 |
| LK PushFit AX Elbow fitting 90° | 1882471; 1882472; 1882473 |
| LK PushFit AX Elbow fitting 90° male | 1882474; 1882475; 1882476; 1882477 |
| LK PushFit AX Elbow fitting 90° female | 1882478; 1882479; 1882480; 1882481 |
| LK PushFit AX Elbow fitting 90° with loose nut | 1882482; 1882483; 1882484 |
| LK PushFit AX T-piece | 1882485; 1882486; 1882487; 1882488; |
| | 1882489; 1882490 |
| LK PushFit AX T-piece female | 1882491; 1882492; 1882493 |
| LK PushFit AX Cap | 1882494; 1882495; 1882496 |
| LK PushFit AX Connection | 1882526; 1882527; 1882528; 1882529 |
| LK PushFit AX Straight Fitting AX16xCu10 | 1882530 |
| LK Ball Valve UNI PushFit AX16xCu10 | 1882551 |
| LK Ball Valve UNI PushFit AX16 | 1882395 |
| LK PushFit AX Wall Elbow | 1882497 |
| LK Pushfit AX Plug 16 mm | 1882498 |
| LK Pushfit Connection PV | 2410317 |
| Product name | Product number |
| LK Manifold UNI PushFit AX | 1882499; 1882500; 1882501; 1882523; |
| | 1882524; 1882525 |
| LK Manifold UNI PushFit AX Valve | 1882502; 1882503 |
| | |





I CA information

| Functional unit / declared unit | In accordance with EN 15804 + A2 the declared unit is mass 1 kg. |
|---------------------------------|--|
| Time representativeness: | 2021 |
| Database: | Ecoinvent 3.8 "allocation cut off by classification" is used throughout the study. |
| LCA software used: | SimaPro 9.4.0.2 |
| Geographical scope | Global Production: China Construction site: Sweden |
| LCA Report | LK Systems AB, Report no. 6 |

Description of system boundaries:

The scope of the EPD is a cradle to gate with options, including A4, C and D. See Table 1 for the modules declared. The system boundary mean that all processes needed for raw material extraction, transport, manufacturing and disposal are included in the study. Figure 1. gives an overview of the included processes.

Table 1, Modules declared, geographical scope, share of specific data (in GWP-GHG indicator) and data variation

| | Prod | luct sta | age | Cons cti prod sta | on | | | ι | Jse st | stage | | | | d of I | ife st | age | | 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 | А3 | A4 | A5 | B1 | B2 | ВЗ | В4 | В5 | В6 | В7 | C1 | C2 | C3 | C4 | | D |
| Modules declared | Χ | X | Χ | Χ | ND | ND | ND | ND | ND | ND | ND | ND | Χ | Χ | Χ | Χ | | Χ |
| Geog- raphy | CN | CN | CN | GLO | | | | | | | | | SE | SE | SE | SE | | SE |
| Specific data used | | Specific artly sp | | | | - | - | - | - | - | - | - | - | - | - | - | | - |
| Variation – products | <10% | | | | | - | - | - | - | - | - | - | - | - | - | - | | - |
| Variation – sites | - | | | | | - | - | - | - | - | - | - | - | - | - | - | | - |
| Х | = Mod | lules in | ıclud | ed in t | he ar | nalysi | S | N | D = N | 1odul | e not de | eclare | d | 0= | Optio | onal m | nod | lules |





Content information

Table 2, shows the weight for the raw material of the declared product.

| Product components | Weight, kg | Post-consumer material, weight-% | Renewable material, weight-% |
|---------------------|------------|-------------------------------------|---------------------------------|
| Brass | 0,9107 | 70 | 0 |
| Steel | 0,0054 | 85 | 0 |
| Rubber | 0,0042 | 0 | 0 |
| Plastic | 0,0139 | 0 | 0 |
| Glass fibre | 0,0119 | 0 | 0 |
| Aluminium alloy | 0,0539 | 0 | 0 |
| TOTAL | 1 | 64,1 | 0 |
| Packaging materials | Weight, kg | Weight-% (versus the | product) |
| Cardboard box | 0,032 | 3,2 | |
| Wood | 0,027 | 2,7 | |
| Plastic | 0,006 | 0,6 | |
| TOTAL | 0,065 | 6,5 | |

Declared product contains dangerous substances, lead, from the candidate list of SVHC for Authorisation. The content of lead is ≤1,5%.

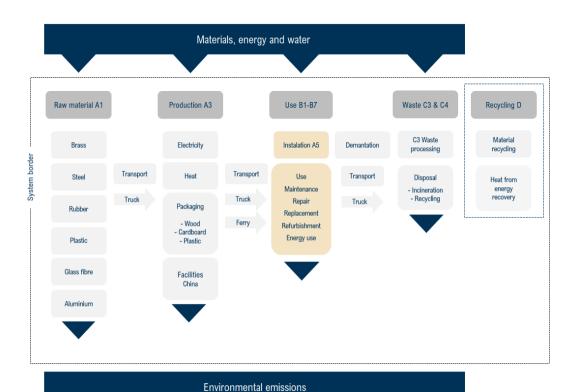


Figure 1, overview of the included processes. Light gray represents modules included, yellow represent models not declared.







Product life-cycle

Raw material supply, transport, manufacturing and packaging (A1-A3)

The raw materials that are included and calculated in the EPD are the material content for the product and the packaging materials for the raw materials.

The Pushfit consist mostly of brass and smaller parts of steel, rubber, plastic, glass fibre and aluminium alloy. The brass deliverers in bars that are cut in a machine and then hot stamped to the right shape. After the correct shape is made, the product is sandblasted to smooth the surface. When the shape of the product is completed, it is machining and then polished. When the polishing of the brass is completed, the other components are assembled to the final product. After the manufacturing of the product is completed and pressure tested, it is packed in cardboard box, which is then stacked on a pallet.







Transport (A4)

Transportation impacts represent the transport from the final product's delivery to the construction site. The transport distance is based on average distance. The transportation is performed by truck with fuel and ferry.

Product end of life (C1-C4, D)

The product end of life (C1) is assumed zero since the installation takes place behind the walls and takes down by hand. Brass and steel are fully recyclable materials and has a strong market position, therefore assumptions have taken that the product will end up in material recycling when the building, where the product is installed, is demolished and that the plastic parts end up in combustible waste afterwards. For the packaging, it has been assumed that the coardbox is material recycled and that the plastic ends up in combustible waste. The product assumed to be sent to the nearest waste facility. The benefits in the resource recovery stage will be mostly material recycling and a smaller part energy recovery.

Cut-off rules

Life cycle inventory data shall according to EN 15804 include a minimum of 95% of total inflows (mass and energy) per module. In addition, if less than 100% of the inflows are accounted for, proxy data or extrapolation should be used to achieve 100% completeness. Transport of waste packaging to waste treatment has excluded from the study, since it is outside the system boundary (A5).

Background data

The data quality of the background data is considered good. All specific data that includes processes, volume of different materials, energy & water usage and transport distance has been collected by questionnaire and personal contact with the manufacturer. Ecoinvent database has been used. Ecoinvent is the world's biggest LCI data library and contains data for the specific geographical regions relevant for this study, which have been analysed to be the most suitable for the various steps in the process. Information on biogenic carbon content is calculated with the formula from EN 350-2 and information from IVL. Collected data represent average yearly data for 2021 and assumed to be representative for the EPDs period of validity of 5 years.

Electricity data

The electricity consumption in the A3 module accounts for less than 30% of the total energy use in module A1-A3. The electricity used is an electricity mix from China, used by Ecoinvent 3.8.





Allocation and assumptions

The declare unit values for 1 kg of product that is used in this study and is calculated, based on the total product weight produced during the year studied. The content of raw material can vary slightly between the different dimensions of the product and are examined with high accuracy that they variation of GWP-GHG stays within 10%. Data is allocated for the energy use of the declared unit. The allocation is based on production rate with complexity and high accuracy. The raw material necessary for the manufacturing and the amount of packaging is allocated to product based on the amount of material used to manufacture the declare unit, including waste. Allocation is made with complexity and high accuracy. The declared unit is based on the LK Ball Valve UNI PushFit AX16. The variance of the declared products is less than 10%, that is based according to data quality requirements outlined in PCR 2019:14.

The used product is assumed to be transported 50 km to the nearest waste disposal facility. The waste treatment assumption has resulted in that the product will get material recycle as metal. The waste treatment builds and presupposes that the product is installed in the building and that it is deconstruct when the building demolished. The product and the cardboard box are assumed to be material recycled at 95%. The plastic part in the product and in the packaging are assumed to be incinerated with energy recovery efficiency at 61%.



Recycling of packaging and product

Within the framework of producer responsibility, LK are affiliated with FTI, the Packaging and Newspaper Collection, which is the business community's collection system for recycling packaging. Packaging shall recycle as carton and plastic. None of the packaging material are classified as hazardous waste.





Environmental information

Potential environmental impact – mandatory indicators according to EN 15804. Results of declared unit of the study.

Results per declared unit

| Indicator | Unit | A1 | A2 | А3 | Tot.A1-A3 | A4 | C1 | C2 | C3 | C4 | D |
|----------------------------------|---------------------------|-----------|----------|-----------|-----------|----------|----|----------|----------|----------|-----------|
| GWP-fossil | kg CO2 eq. | 2,27E+00 | 6,65E-02 | 7,85E-01 | 3,12E+00 | 3,94E-01 | 0 | 6,56E-03 | 8,12E-04 | 1,15E-06 | -1,37E+00 |
| GWP-biogenic | kg CO2 eq. | -2,57E-02 | 3,89E-05 | -1,25E-02 | -3,81E-02 | 7,79E-05 | 0 | 6,41E-06 | 5,84E-06 | 7,13E-09 | -7,46E-03 |
| GWP-luluc | kg CO2 eq. | 5,33E-03 | 2,71E-05 | 3,15E-04 | 5,67E-03 | 2,47E-04 | 0 | 2,67E-06 | 8,61E-07 | 3,99E-10 | -3,37E-03 |
| GWP-total | kg CO2 eq. | 2,25E+00 | 6,66E-02 | 7,72E-01 | 3,09E+00 | 3,95E-01 | 0 | 6,57E-03 | 8,19E-04 | 1,16E-06 | -1,38E+00 |
| ODP | kg CFC 11 eq. | 1,55E-07 | 1,47E-08 | 2,83E-08 | 1,98E-07 | 8,20E-08 | 0 | 1,54E-09 | 3,13E-10 | 5,27E-13 | -8,38E-08 |
| AP | mol H+ eq. | 1,05E-01 | 2,75E-04 | 3,47E-03 | 1,08E-01 | 9,38E-03 | 0 | 3,72E-05 | 9,07E-06 | 9,15E-09 | -9,47E-02 |
| EP-freshwater | kg PO ₄ 3- eq. | 2,52E-02 | 1,53E-05 | 4,01E-04 | 2,56E-02 | 5,19E-05 | 0 | 1,36E-06 | 7,54E-07 | 1,99E-08 | -2,32E-02 |
| EP-freshwater | kg P eq. | 8,22E-03 | 5,00E-06 | 1,31E-04 | 8,35E-03 | 1,69E-05 | 0 | 4,43E-07 | 2,46E-07 | 6,48E-09 | -7,56E-03 |
| EP-marine | kg N eq. | 6,32E-03 | 8,12E-05 | 7,83E-04 | 7,19E-03 | 2,34E-03 | 0 | 1,35E-05 | 3,47E-06 | 1,25E-06 | -5,07E-03 |
| EP-terrestrial | mol N eq. | 8,08E-02 | 8,86E-04 | 7,97E-03 | 8,97E-02 | 2,59E-02 | 0 | 1,47E-04 | 3,91E-05 | 3,50E-08 | -6,84E-02 |
| POCP | kg NMVOC eq. | 2,28E-02 | 2,70E-04 | 2,13E-03 | 2,52E-02 | 6,79E-03 | 0 | 4,21E-05 | 1,05E-05 | 1,02E-08 | -1,87E-02 |
| ADP-minerals&metals ² | kg Sb eq. | 2,51E-03 | 2,27E-07 | 2,18E-06 | 2,51E-03 | 7,93E-07 | 0 | 2,20E-08 | 7,08E-09 | 3,40E-12 | -2,37E-03 |
| ADP-fossil ² | MJ | 2,82E+01 | 9,81E-01 | 8,33E+00 | 3,75E+01 | 5,32E+00 | 0 | 1,01E-01 | 9,78E-03 | 3,53E-05 | -1,78E+01 |
| WDP ² | m3 | 2,11E+00 | 3,39E-03 | 8,85E-02 | 2,21E+00 | 1,16E-02 | 0 | 3,32E-04 | 5,12E-04 | 1,28E-07 | -1,72E+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





Potential environmental impact – additional mandatory indicators according to EN 15804.

Results per declared unit

| Indicator | Unit | A1 | A2 | А3 | Tot.A1-A3 | A4 | C1 | C2 | C3 | C4 | D |
|---|--------------|----------|----------|----------|-----------|----------|----|----------|----------|----------|-----------|
| Particulate matter | disease inc. | 3,20E-07 | 5,66E-09 | 4,75E-08 | 3,73E-07 | 1,89E-08 | 0 | 7,26E-10 | 3,35E-10 | 1,84E-13 | -2,20E-07 |
| Ionnising radiation ¹ | kBq U-235 eq | 2,33E-01 | 4,47E-03 | 1,37E-02 | 2,51E-01 | 2,50E-02 | 0 | 5,21E-04 | 7,51E-05 | 1,75E-07 | -1,85E-01 |
| Ecotoxicity, freshwater ² | CTUe | 8,57E+02 | 8,53E-01 | 1,72E+01 | 8,75E+02 | 3,59E+00 | 0 | 8,00E-02 | 1,47E-02 | 1,02E-01 | -7,91E+02 |
| Human toxicity, cancer ² | CTUh | 2,01E-08 | 2,50E-11 | 2,05E-10 | 2,04E-08 | 2,11E-10 | 0 | 3,19E-12 | 5,66E-12 | 3,04E-12 | -1,81E-08 |
| Human toxicity, non- cancer ² | CTUh | 1,37E-06 | 8,21E-10 | 7,48E-09 | 1,38E-06 | 2,89E-09 | 0 | 9,23E-11 | 1,25E-11 | 6,35E-11 | -1,27E-06 |
| Land use ² | Pt | 4,02E+01 | 6,66E-01 | 2,57E+00 | 4,34E+01 | 1,72E+00 | 0 | 8,62E-02 | 2,55E-03 | 1,23E-04 | -3,32E+01 |

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 experienced with the indicator.

Climate impact IPCC 2013 GWP 100

Results per declared unit

| Indicator | Unit | A1 | A2 | A3 | Tot.A1-A3 | A4 | C1 | C2 | C3 | C4 | D |
|-----------|------------|----------|----------|----------|-----------|----------|----|----------|----------|----------|-----------|
| GWP-GHG | kg CO2 eq. | 2,24E+00 | 6,60E-02 | 7,64E-01 | 3,07E+00 | 3,92E-01 | 0 | 6,51E-03 | 8,00E-04 | 1,13E-06 | -1,35E+00 |

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.





Use of resources

Results per declared unit

| Indicator | Unit | A1 | A2 | A3 | Tot.A1-A3 | A4 | C1 | C2 | C3 | C4 | D |
|-----------|------|----------|----------|----------|-----------|----------|----|----------|----------|----------|-----------|
| PERE | MJ | 6,39E+00 | 1,13E-02 | 8,19E-01 | 7,22E+00 | 4,86E-02 | 0 | 1,45E-03 | 7,82E-04 | 1,11E-06 | -4,82E+00 |
| PERM | MJ | 0 | 0 | 7,19E-01 | 7,19E-01 | 0 | 0 | 0 | 0 | 0 | 0 |
| PERT | MJ | 6,39E+00 | 1,13E-02 | 1,54E+00 | 7,94E+00 | 4,86E-02 | 0 | 1,45E-03 | 7,82E-04 | 1,11E-06 | -4,82E+00 |
| PENRE | MJ | 3,00E+01 | 1,04E+00 | 8,91E+00 | 4,00E+01 | 5,65E+00 | 0 | 1,07E-01 | 1,04E-02 | 3,74E-05 | -1,90E+01 |
| PENRM | MJ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| PENRT | MJ | 3,00E+01 | 1,04E+00 | 8,91E+00 | 4,00E+01 | 5,65E+00 | 0 | 1,07E-01 | 1,04E-02 | 3,74E-05 | -1,90E+01 |
| SM | kg | 6,41E-01 | 0 | 0 | 6,41E-01 | 0 | 0 | 0 | 0 | 0 | 0 |
| RSF | MJ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NRSF | MJ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| FW | m3 | 6,95E-02 | 1,68E-04 | 3,09E-03 | 7,28E-02 | 6,29E-04 | 0 | 1,84E-05 | 2,33E-05 | 3,88E-09 | -5,92E-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 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





Waste production and output flows

Waste production

Results per declared unit

| Indicator | Unit | A1 | A2 | A3 | Tot.A1-A3 | A4 | C1 | C2 | C3 | C4 | D |
|------------------------------|------|----|----|----|-----------|----|----|----|----|----|---|
| Hazardous waste disposed | kg | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Non-hazardous waste disposed | kg | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Radioactive waste disposed | kg | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Note: Ecoinvent database include all waste treatment processes within the system boundaries, i.e. there are no waste flows exiting the system boundaries and the waste indicators to be declared are therefore zero.

Output flows

Results declared unit

| Indicator | Unit | A1 | A2 | A3 | Tot.A1-A3 | A4 | C1 | C2 | СЗ | C4 | D |
|-------------------------------|------|----|----|----|-----------|----|----|----|----|----|---|
| Components for re-use | kg | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Material for recycling | kg | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Materials for energy recovery | kg | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Exported energy, electricity | MJ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Exported energy, thermal | MJ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |





Information on biogenic carbon content

Results per functional or declared unit

| BIOGENIC CARBON CONTENT | Unit | QUANTITY |
|--------------------------------------|------|----------|
| Biogenic carbon content in product | kg C | 0 |
| Biogenic carbon content in packaging | kg C | 0,02 |

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



Additional information - declared products

| Product name | Product number | Weight (kg) |
|---|----------------|-------------|
| | 1882448 | 0,061 |
| | 1882449 | 0,1 |
| LK PushFit AX Straight fitting LK PushFit AX Straight fitting male LK PushFit AX Straight fitting female LK PushFit AX Straight fitting with loose nut | 1882450 | 0,154 |
| | 1882451 | 0,083 |
| | 1882452 | 0,13 |
| | 1882453 | 0,064 |
| | 1882454 | 0,088 |
| | 1882455 | 0,082 |
| LIZ Dunda Fit AV Otroi alat fittin a manla | 1882456 | 0,111 |
| LK Pushfit AX Straight litting male | 1882457 | 0,148 |
| | 1882458 | 0,119 |
| | 1882459 | 0,124 |
| | 1882460 | 0,171 |
| | 1882461 | 0,06 |
| | 1882462 | 0,077 |
| | 1882463 | 0,078 |
| LK PushFit AX Straight fitting female | 1882464 | 0,102 |
| | 1882465 | 0,106 |
| | 1882466 | 0,114 |
| | 1882467 | 0,145 |
| | 1882468 | 0,07 |
| LK PushFit AX Straight fitting with loose nut | 1882469 | 0,095 |
| | 1882470 | 0,142 |
| | 1882471 | |
| LK PushFit AX Elbow fitting 90° | 1882472 | 0,124 |
| | 1882473 | 0,194 |
| | 1882474 | 0,087 |
| LK PushFit AX Elbow fitting 90° male | 1882475 | 0,109 |
| LK Pushfit AX Elbow litting 90 Thale | 1882476 | 0,139 |
| | 1882477 | 0,196 |
| | 1882478 | 0,079 |
| LIZ Duele Fit AV File and fitting 2008 feeter | 1882479 | 0,105 |
| LK PushFit AX Elbow fitting 90° female | 1882480 | 0,128 |
| | 1882481 | 0,173 |
| | 1882482 | 0,083 |
| LK PushFit AX Elbow fitting 90° with loose nut | 1882483 | 0,111 |
| | 1882484 | 0,158 |



| Product name | Product number | Weight (kg) |
|--|----------------|-------------|
| | 1882485 | 0,105 |
| | 1882486 | 0,169 |
| LK PushFit AX T-piece | 1882487 | 0,264 |
| LK Pushfit AX 1-piece | 1882488 | 0,153 |
| | 1882489 | 0,162 |
| | 1882490 | 0,233 |
| | 1882491 | 0,108 |
| LK PushFit AX T-piece female | 1882492 | 0,147 |
| | 1882493 | 0,234 |
| | 1882494 | 0,035 |
| LK PushFit AX Cap | 1882495 | 0,057 |
| | 1882496 | 0,089 |
| | 1882526 | 0,08 |
| LK PushFit AX Connection | 1882527 | 0,094 |
| LK FUSITI IT AX COTTLECTION | 1882528 | 0,104 |
| | 1882529 | 0,124 |
| LK PushFit AX Straight Fitting AX16xCu10 | 1882530 | 0,056 |
| LK Ball Valve UNI PushFit AX16xCu10 | 1882551 | 0,139 |
| LK Ball Valve UNI PushFit AX16 | 1882395 | 0,13 |
| LK PushFit AX Wall Elbow | 1882497 | 0,108 |
| LK Pushfit AX Plug 16 mm | 1882498 | 0,027 |
| LK Pushfit Connection PV | 2410317 | 0,13 |
| Product name | Product number | Weight |
| | 1882499 | 0,341 |
| | 1882500 | 0,441 |
| LK Manifold UNI PushFit AX | 1882501 | 0,469 |
| LIX Marillold OTN 1 dorn It AX | 1882523 | 0,176 |
| | 1882524 | 0,185 |
| | 1882525 | 0,197 |
| LK Manifold UNI PushFit AX Valve | 1882502 | 0,587 |
| ER Marmord ONLY don't LAX Valve | 1882503 | 0,751 |





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