

BUILDING PRODUCT DECLARATION BPD 3

in compliance with the guidelines of the Ecocycle Council, June 2007

1 Basic data

| | | |
|---|--|--------------------------------------|
| Product identification | | Document ID 2.9 |
| Product name Thermostatic flow control valve VTF300 | Product no/ID designation 3122XXXX | Product group 3122 |
| <input checked="" type="checkbox"/> New declaration <input type="checkbox"/> Revised declaration | In the case of a revised declaration | |
| | Has the product been changed? | The change relates to |
| | <input type="checkbox"/> No <input type="checkbox"/> Yes | Changed product can be identified by |
| Drawn up/revised on (date) 2018-05-04 | | Inspected without revision on (date) |
| Other information: | | |

2 Supplier information

| | | | |
|---|--|---|-----------------------------|
| Company name ESBE AB | | Company reg. no/DUNS no | |
| Address Bruksgatan 22 SE-333 75 REFTELE | | Contact person | |
| | | Telephone +46 371 570 100 | |
| Website: | | E-mail order@esbe.se | |
| Does the company have an environmental management system? | | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
| The company possesses certification in compliance with | <input checked="" type="checkbox"/> ISO 9000 <input checked="" type="checkbox"/> ISO 14000 | <input type="checkbox"/> Other | If "other", please specify: |
| Other information: | | | |

3 Product information

| | | | |
|---|--|--|--|
| Country of final manufacture Sweden | If country cannot be stated, please state why | | |
| Area of use Hot water- and heating installations | | | |
| Is there a Safety Data Sheet for this product? | <input checked="" type="checkbox"/> Not relevant | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| In accordance with the regulations of the Swedish Chemicals Agency, please state: | Classification Labelling | <input checked="" type="checkbox"/> Not relevant | |
| Is the product registered in BASTA? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | |
| Has the product been eco-labelled? | <input type="checkbox"/> Criteria not found | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| If "yes", please specify: | | | |
| Is there a Type III environmental declaration for the product? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | |
| Other information: See product data sheet at ESBEs home page. | | | |

4 Contents (To add a new green row, select and copy an entire empty row and paste it in)

| At the time of delivery , the product comprises the following parts/components, with the chemical composition stated: | | | | | |
|--|------------------------|---------------|--------------------------|----------------|----------------------|
| Constituent materials/ components | Constituent substances | Weight % or g | EG no/ CAS no (or alloy) | Classification | Comments |
| Brass components | - | 87% | 12597-71-6 | | SV HC-subject (lead) |
| Plastic components | PA 6 PES | 4% 1% | 25038-54-4 25667-42-9 | | |

| Thermostatic components | - | 5% | | | |
|---|------------------------|---------------|--------------------------|----------------|----------|
| Other components | - | 1% | | | |
| Other information: | | | | | |
| If the chemical composition of the product after it is built in differs from that at the time of delivery, the content of the finished built in product should be given here. If the content is unchanged, no data need be given in the following table. | | | | | |
| Constituent materials/ components | Constituent substances | Weight % or g | EG no/ CAS no (or alloy) | Classification | Comments |
| | | | | | |
| | | | | | |
| Other information: Lead is included in the candidate list (SV HC subject). Reporting to Echa is done by the raw. | | | | | |

5 Production phase

| | | | | | |
|---|---|--|--|---------------------------------------|----------|
| Resource utilisation and environmental impact during production of the item is reported in one of the following ways: | | | | | |
| <input type="checkbox"/> 1) Inflows (goods, intermediate goods, energy etc) for the registered product into the manufacturing unit , and the outflows (emissions and residual products) from it, i.e. from “gate-to-gate”. | | | | | |
| <input type="checkbox"/> 2) All inflows and outflows from the extraction of raw materials to finished products i.e. “cradle-to-gate”. | | | | | |
| <input type="checkbox"/> 3) Other limitation. State what: | | | | | |
| The report relates to unit of product | <input type="checkbox"/> Reported product | <input type="checkbox"/> The product’s product group | <input type="checkbox"/> The product’s production unit | | |
| Indicate raw materials and intermediate goods used in the manufacture of the product | | | | <input type="checkbox"/> Not relevant | |
| Raw material/intermediate goods | Quantity and unit | | Comments | | |
| | | | | | |
| | | | | | |
| Indicate recycled materials used in the manufacture of the product | | | | <input type="checkbox"/> Not relevant | |
| Type of material | Quantity and unit | | Comments | | |
| | | | | | |
| | | | | | |
| Enter the energy used in the manufacture of the product or its component parts | | | | <input type="checkbox"/> Not relevant | |
| Type of energy | Quantity and unit | | Comments | | |
| | | | | | |
| | | | | | |
| Enter the transportation used in the manufacture of the product or its component parts | | | | <input type="checkbox"/> Not relevant | |
| Type of transportation | Proportion % | | Comments | | |
| | | | | | |
| | | | | | |
| Enter the emissions to air, water or soil from the manufacture of the product or its component parts | | | | <input type="checkbox"/> Not relevant | |
| Type of emission | Quantity and unit | | Comments | | |
| | | | | | |
| | | | | | |
| Enter the residual products from the manufacture of the product or its component parts | | | | <input type="checkbox"/> Not relevant | |
| Residual product | Waste code | Quantity | Proportion recycled | | Comments |
| | | | Material recycled % | Energy recycled % | |
| | | | | | |
| | | | | | |
| Is there a description of the data accuracy for the manufacturing data? | <input type="checkbox"/> Yes | <input type="checkbox"/> No | If “yes”, please specify: | | |

Data in fields highlighted in green are requirements in compliance with the Ecocycle Council guidelines.

Other information:

6 Distribution of finished product

| | | | |
|--|---------------------------------------|---|--|
| Does the supplier put into practice a system for returning load carriers for the product? | <input type="checkbox"/> Not relevant | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| Does the supplier put into practice any systems involving multi-use packaging for the product? | <input type="checkbox"/> Not relevant | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| Does the supplier take back packaging for the product? | <input type="checkbox"/> Not relevant | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| Is the supplier affiliated to REPA? | <input type="checkbox"/> Not relevant | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
| Other information: | | | |

7 Construction phase

| | | | | |
|--|---------------------------------------|------------------------------|--|---------------------------|
| Are there any special requirements for the product during storage? | <input type="checkbox"/> Not relevant | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | If "yes", please specify: |
| Are there any special requirements for adjacent building products because of this product? | <input type="checkbox"/> Not relevant | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | If "yes", please specify: |
| Other information: | | | | |

8 Usage phase

| | | | | | | |
|--|----------------------------------|--|-----------------------------------|-----------------------------------|------------------------------------|----------|
| Does the product involve any special requirements for intermediate goods regarding operation and maintenance? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | If "yes", please specify: | | | |
| Does the product have any special energy supply requirements for operation? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | If "yes", please specify: | | | |
| Estimated technical service life for the product is to be entered according to one of the following options, a) or b): | | | | | | |
| a) Reference service life estimated as being approx. | <input type="checkbox"/> 5 years | <input type="checkbox"/> 10 years | <input type="checkbox"/> 15 years | <input type="checkbox"/> 25 years | <input type="checkbox"/> >50 years | Comments |
| b) Reference service life estimated to be in the interval of 10-30 years | | | | | | |
| Other information: | | | | | | |

9 Demolition

| | | | | |
|--|---------------------------------------|---|--|---------------------------|
| Is the product ready for disassembly (taking apart)? | <input type="checkbox"/> Not relevant | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No | If "yes", please specify: |
| Does the product require any special measures to protect health and environment during demolition/disassembly? | <input type="checkbox"/> Not relevant | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | If "yes", please specify: |
| Other information: | | | | |

10 Waste management

| | | | | |
|---|---------------------------------------|---|--|---|
| Is it possible to re-use all or parts of the product? | <input type="checkbox"/> Not relevant | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | If "yes", please specify: |
| Is it possible to recycle materials for all or parts of the product? | <input type="checkbox"/> Not relevant | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No | If "yes", please specify: Metalcomponents |
| Is it possible to recycle energy for all or parts of the product? | <input type="checkbox"/> Not relevant | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No | If "yes", please specify: Plasticcomponents |
| Does the supplier have any restrictions and recommendations for re-use, materials or energy recycling or waste disposal? | <input type="checkbox"/> Not relevant | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | If "yes", please specify: |
| Enter the waste code for the supplied product Brass: EWC 120103, Brass: EWC 150102 | | | | |
| Is the supplied product classed as hazardous waste? | | | | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| If the chemical composition of the product differs after having been built in from that which it had at the time of delivery, meaning that another waste code is given to the finished built in product, then this should be entered here. If it is unchanged, the following details can be omitted. | | | | |

Data in fields highlighted in green are requirements in compliance with the Ecocycle Council guidelines.

| | | |
|--|------------------------------|--|
| Enter the waste code for the built in product | | |
| Is the built in product classed as hazardous waste? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| Other information: | | |

11 Indoor environment (To add a new green row, select and copy an entire empty row and paste it in)

| When used as intended, the product gives off the following emissions: | | <input type="checkbox"/> The product does not have any emissions | | |
|---|---|--|--|--|
| Type of emission | Quantity [$\mu\text{g}/\text{m}^2\text{h}$] or [$\text{mg}/\text{m}^3\text{h}$] | | Method of measurement | Comments |
| | 4 weeks | 26 weeks | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| Can the product itself give rise to any noise? | | | <input checked="" type="checkbox"/> Not relevant | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Value | | Unit | Method of measurement | |
| Can the product give rise to electrical fields? | | | <input checked="" type="checkbox"/> Not relevant | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Value | | Unit | Method of measurement | |
| Can the product give rise to magnetic fields? | | | <input checked="" type="checkbox"/> Not relevant | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Value | | Unit | Method of measurement | |
| Other information: | | | | |

References

Appendices