



Environmental Product Declaration

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|--|---|--|-------------------------|---------|
| Product | Type of equipment / | AVF4E065 | US Flow Sensor 25 m3/h | |
| | Product No. | AVF4E080 | US Flow Sensor 40 m3/h | |
| | | AVF4E100 | US Flow Sensor 60 m3/h | |
| | | AVF4E125 | US Flow Sensor 100 m3/h | |
| | Product line, product range | Intelligent Valve | | |
| Process control | Siemens Schweiz AG | | | |
| | Building Technologies Division | | | |
| | Theilerstrasse 1a | | | |
| | CH-6300 Zug | | | |
| | Management System | since | by | |
| | ISO 14001 (Environment) | 20.10.1998 | SQS | |
| | ISO 9001 (Quality) | 22.07.1986 | SQS | |
| Environmentally compatible product design | Product responsibility of Siemens covers the entire product life cycle. Siemens already assesses, avoids and minimizes the environmental impact of its products with respect to production, procurement, sales, use, services and disposal during the product and process planning phases by complying with Siemens EP Standard (former SN 36350) "Specifications on Environmentally Compatible Product and System Design". | | | |
| | | The consumption of electricity for the flow sensor is included in the power consumption of the controller. | | |
| | Maintenance | Not necessary | | |
| | Fire load | variant *) see below | | |
| Packaging | 20-PAP Corrugated fiber board | Cardboard | variant | |
| | 20-PAP Corrugated fiber board | Inlet | variant | |
| | PVC-foil white brilliant | Adhesive Label | variant | |
| | Notes on disposal | One-way, recyclable | | |
| Materials | Total weight of device | variant *) see below | | |
| | The total weight of a device may deviate from the total of the weights of all individual components due to rounding. | | | |
| Plastics | PES; GF 20%; halogen-free | Carrier for transducer; strainer | variant | |
| | EPDM; halogen-free | O-ring | variant | |
| | PPS; GF 40%; halogen-free | Div. parts | variant | |
| | Fibre; halogenated | Gasket | variant | |
| | EPDM; halogenated | Gasket DN80 | variant | |
| | NBR; halogen-free | O-ring | 2g | |
| | PA6; halogen-free | Plug | 8g | |
| | Metals | Cu alloy (Pb>0,1%) | Body | variant |
| | | Cast iron | Body DN80 | variant |
| | | Steel CrNi | Div. Parts | variant |
| Cu alloy | | Electrode | 2g | |
| Steel stainless | | Screws | 6g | |
| CuZnPb (Pb>0.1%) | | Locating pin | 21g | |
| Steel | | Screw | 2g | |

| | | | |
|---|----------------------------------|--------------------|------|
| Others | Ceramic | Transducer ceramic | 2g |
| | Polyurethane | Potting compound | 105g |
| | Silicone | Cable | 82g |
| PCBAs (Printed Circuit Board assembled) | FR4; halogen-free; solder SnAgCu | PCBA | 10g |

***Variant parts list**

| | AVF4E065 | AVF4E080 | AVF4E100 | AVF4E125 | | | | | | | | |
|----------------------------------|----------|----------|----------|----------|--|--|--|--|--|--|--|--|
| Total weight of device [g] | 10'587 | 10'061 | 20'510 | 20'510 | | | | | | | | |
| Carrier for transducer; strainer | 38 | 3 | 62 | 62 | | | | | | | | |
| O-ring | 5 | 7 | 7 | 7 | | | | | | | | |
| Div. parts | 147 | 194 | 226 | 226 | | | | | | | | |
| Gasket | 60 | 56 | 74 | 74 | | | | | | | | |
| Gasket DN80 | | 2 | | | | | | | | | | |
| Body | 9'950 | | 19'600 | 19'600 | | | | | | | | |
| Body DN80 | | 9'350 | | | | | | | | | | |
| Div. Parts | 147 | 209 | 301 | 301 | | | | | | | | |
| Fire load [MJ] | 10 | 10 | 12 | 12 | | | | | | | | |
| Packaging | | | | | | | | | | | | |
| Cardboard [g] | 437 | 437 | 797 | 797 | | | | | | | | |
| Inlet | 232 | 232 | 74 | 74 | | | | | | | | |
| Adhesive Label | 5 | 5 | 4 | 4 | | | | | | | | |

Disposal

The device should not be disposed of as unsorted municipal waste. The special treatment for specific components may be mandated by law or ecologically sensible. Observe all local and applicable laws.

Comments

EU-directive 2011/65/EU (RoHS)

The device does not contain substances in concentrations and applications banned under the EU RoHS Directive, including the 4 phthalates added to Annex II in 2015.

Regulation (EC) No. 1907/2006 (REACH)

"The device releases under normal or reasonably foreseeable conditions Lead (Sensor Body & Locating Pin) , CAS-Nr.7439-92-1 . The device complies with the requirements of the regulation (EC) No. 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)."

To the best of our knowledge and according to the information of our suppliers the above mentioned device and its packaging contain no substances of the candidate list according to Article 59 (1, 10) of the regulation (EC) No. 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) in concentrations above 0.1 % w/w. Contained REACH candidate substances, which will become known at a later date, are listed on the delivery note.

(Status according to the creation date of this document.)

The device is halogen-free with exception of:
Potting compounds; Gaskets; Cable

Legal Disclaimer: This declaration is for information purpose only.
This Environmental Product Declaration does not constitute a guarantee of the composition of a product, neither does it guarantee that the product will retain a particular composition for a particular period.
Siemens Schweiz AG therefore does not assume liability for any error or for any consequences which may arise from the use of this information to the maximum extent under the law.

Please contact your local Siemens branch office to get further information on environmental aspects and disposal.