



## Environmental Product Declaration

### Product

Type of equipment / Product No.	AVG4E015VAG	Flow Section DN15
	AVG4E020VAG	Flow Section DN20
	AVG4E025VAG	Flow Section DN25
	AVG4E032VAG	Flow Section DN32
	AVG4E040VAG	Flow Section DN40
	AVG4E050VAG	Flow Section DN50
	AVG4E015VBG	Flow Section DN15 - 3-Port
	AVG4E020VBG	Flow Section DN20 - 3-Port
	AVG4E025VBG	Flow Section DN25 - 3-Port
	AVG4E032VBG	Flow Section DN32 - 3-Port
	AVG4E040VBG	Flow Section DN40 - 3-Port
	AVG4E050VBG	Flow Section DN50 - 3-Port

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 sections 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
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	EPDM; low-halogen	O-rings; cable gland	variant
	PTFE (+10% CF in ...025VAG/...32VAG); halogenated	Seat seal; antifriction washer	variant
	PES; GF 20%; low-halogen	Diverse measuring parts	variant
	PPS; GF 40%; low-halogen	Body; diverse measuring parts	variant
	PPS; low-halogen	Strainer	variant
	NBR; GF 0%; low-halogen	O-ring	2g
Metals	PA6; low-halogen	Plug	8g
	Cu alloy (Pb>0,1%)	Div. valve and flow sensor parts	variant
	Cu alloy (Pb>0,1%); chrome plated	Ball	variant
	Cu alloy	Electrode	2g
	Steel CrNi	Div. Parts	variant
	Steel stainless	Screws	variant
	Steel	Clip; screw	variant

**Building Parts**

Others	Ceramic	Transducer ceramic	2g
	Polyurethane	Potting compound	105g
	Silicone	Cable	82g
	NBR with aramid	Gasket	variant
PCBAs (Printed Circuit Board assembled)	FR4; low-halogen; solder SnAgCu	PCBA	10g

**\*Variant parts list**

	AVG4E015VAG	AVG4E020VAG	AVG4E025VAG	AVG4E032VAG	AVG4E040VAG	AVG4E050VAG	AVG4E015VBG	AVG4E020VBG	AVG4E025VBG	AVG4E032VBG	AVG4E040VBG	AVG4E050VBG
Total weight of device [g]	1'224	1'577	2'234	2'437	4'979	5'679	1'301	1'667	2'447	2'846	5'550	6'459
O-rings; cable gland	7	7	7	7	8	9	7	7	7	7	8	9
Seat seal; antifriction washer	2	2	2	6	16	30	3	3	6	11	22	45
Diverse measuring parts	14	15	3	3	3	3	14	15	3	3	3	3
Body; diverse measuring parts	95	95	129	129	133	133	95	95	129	129	133	133
Strainer			5	5					5	5		
Div. valve and flow sensor parts	845	1'194	1'799	1'950	4'271	4'723	928	1'293	2'020	2'375	4'886	5'593
Ball	30	33	57	103	227	460	23	23	45	82	177	355
Div. Parts	11	11	11	11	95	95	11	11	11	11	95	95
Screws	4	4	4	4	6	6	4	4	4	4	6	6
Clip; screw	4	2	2	2	2	2	4	2	2	2	2	2
Gasket	1	3	4	6	7	7	1	3	4	6	7	7
Fire load [MJ]	7	7	8	8	9	9	7	8	8	8	9	10
Packaging												
Cardboard [g]	446	446	446	446	391	521	455	455	455	478	605	677

**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 phtalates added to Annex II in 2015.

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

"The device releases under normal or reasonably foreseeable conditions Lead (Valve Body / Valve Ends / Ball / Flow Sensor Body / Locating Pin / Locking Screw / Stem), 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 low-halogen with exception of:  
Antifriction washer; Potting compounds; Gaskets; Protection Cap; 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.