



Environmental Product Declaration

Product

Device type	MXG461B32 MXG461B40 MXG461B50
Designation	Precision valve with magnetic actuator for special applications from -20°C to 120°C
Product range	Acvatix™ Valves and Actuators

Process control

Siemens Schweiz AG, Building Technologies Group, Gubbelstrasse 22, CH-6301 Zug		
Management system certified	since	by
ISO 14001 (environ.) DE-Rastatt	12. Dec. 1997	BSI
ISO 9001 (quality) DE-Rastatt	13. May 1986	BSI

Product use

Typical energy consumption per year	96 kWh (B32, B40) 106 kWh (B50)
Maintenance	no maintenance
Environmental benefits	see notes on page 2

Environmental risk (fire)

Fire protection as per	EN 60730
Fire load	approx. 8 MJ
Parts containing halogens (result in corrosive smoke)	pc board without components Insulating tube

Packaging

Paperboard, cardboard boxes, paper	(*) folding	440 g
Transportation protection	(*) PE-foam	560 g
Notes on disposal	can be recycled	

Materials		Total weight of device (*)	11700 g
Plastics	PC, PC-GF20	Mask, cover, cam, hand wheel	214 g
	PA6, GF20, PA66 GF30	Coil former	94 g
	Soft PVC	Insulating tube, cover of wire inlet	7 g
	EPDM, ethylene/propylene, EP80, PP	O-ring seal, bag	35 g
	Mix of synthetic fibers and GF	Seals	3 g
Metals	Brass, bronze	Cover, contacts, sleeve, stem (*)	139 g
	Steel zinc-plated, nickel-plated	Core, anchor, coupling, distant (*) holders	1579 g
	Copper	Copper coil	2000 g
	Cr/Ni steel	Valve cage, spring, stem, bellows (*)	415 g
	Steel	Housing, bushing, Flange	2194 g
	Cast brass	Valve body, cover, screws (*)	4167 g
	Cast aluminum	Retaining ring,	525 g
	Circuit board	FR 4; containing halogens	Circuit board with components
Special Components	FR 4; containing halogens, SnPb solder	pc board without components	(40 g)
	Misc. components	on the circuit board	(70 g)
Disposal	<p>Do not dispose of the device as part of standard household garbage. This particularly applies to electronic circuit boards. Additionally, the law may mandate special treatment for specific components or special treatment may be ecologically sensible. Observe all local and applicable laws.</p>		

Environmental benefits:

- Reduced energy consumption (domestic hot water, cold water) for HVAC and industrial applications due to high control accuracy and positioning speed.
- Long lifetime due to few moving parts in the magnetic actuator. Thus high protection of investment and significant savings in raw material resources.

(*) information applies to **MXG461B32**

	Total weight	Steel, zinc plated	Cast brass	Brass	Cr Ni steel	Box	PE foam
MXG..B40	13600 g	1708 g	5619 g	160 g	696 g	440 g	560 g
MXG..B50	16900 g	1708 g	8310 g	300 g	911 g	700 g	500 g

This declaration is for information purposes 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.

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If you require further information on environmental aspects and disposal, contact your local Siemens branch office.