



Environmental Product Declaration

Product

Device type	MXG461B15 MXG461B20 MXG461B25
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	72 kWh
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	305 g
Transportation protection	(*) PE-foam	295 g
Notes on disposal	can be recycled	

Materials		Total weight of device (*)	7200 g
Plastics	PC, PC-GF20	Mask, cover, cam, hand wheel	214 g
	PA6, GF20, PA66 GF30	Coil former	62 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 (*)	100 g
	Steel zinc-plated, nickel-plated	Core, anchor, coupling, distant (*) holders	1037 g
	Copper	Copper coil	763 g
	Cr/Ni steel	Valve cage, spring, stem, bellows (*)	327 g
	Steel	Housing, bushing, Flange	1243 g
	Cast brass	Valve body, cover, screws (*)	2794g
	Cast aluminum	Retaining ring,	471 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.</p> <p>Additionally, the law may mandate special treatment for specific components or special treatment may be ecologically sensible.</p> <p>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 **MXG461B25**

	Total weight	Steel, zinc plated	Cast brass	Brass	Cr Ni steel	Box	PE foam
MXG..B15	5950 g	1033 g	1605 g	70 g	194 g	305 g	295 g
MXG..B20	6350 g	1033 g	2008 g	84 g	220 g	305 g	295 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.