



Environmental product declaration

Product

Device type	MXG461.15-.. MXG461.20-5.0 MXG461.25-8.0
Designation	Precision valve with magnetic actuator for standard applications to 120°C
Product range	Valves and actuators

Process control

Siemens Building Technologies AG, HVAC Products Laubisrütistrasse 50, CH-8712 Stäfa		
Management system certified	since	by
ISO 14001 (environment)	13 Dec. 1996	BVQI
ISO 9001 (quality)	7 Feb. 1991	BVQI

Product use

Typical energy consumption per year	35 kW at 100% ON time
Maintenance	no maintenance
Environmental benefits	see notes on page 2

Environmental risk (fire)

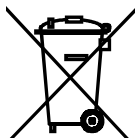
Fire protection as per	EN 60730
Fire load	approx. 10 MJ
Parts containing halogens (result in corrosive smoke)	pc board without components cover, base, hand wheel, insert

Packaging

Paperboard, cardboard boxes, paper	(*) folding box with insert	224 g
Transportation protection	(*) styrofoam	61 g
Notes on disposal	can be recycled	

Materials		total weight of device	(*)	3553 g
Plastics	PC; GF10, FR(16) containing halogens	cover, base, hand wheel, insert		172 g
	PBT; GF30, FR(62) containing halogens	coil cover, coil D38		142 g
	Rubber	O-ring seal		4 g
Metals	Brass, bronze	stem, bushing, seat, plate	(*)	92 g
	Steel, zinc-plated, nickel-plated	screws, core, cover		19 g
	Copper wire	coil winding		540 g
	Cr/Ni steel	bolt, disc, stem	(*)	36 g
	Steel	U-bracket, bushing		1213 g
	Free-cutting steel 95MnPb	armature, core		541 g
	Cast iron	valve body	(*)	719 g
Miscellaneous	Oil, grease	silicone oil, silicon grease		6 g
Circuit board	FR 4; containing halogens	circuit board with components		69 g
Special Components	FR4, containing halogens, SnPb solder	pc board without components		(21 g)
	1x Al capacitor	on the circuit board		(4 g)
	Misc. components	on the circuit board		(36 g)
	Copper wire	stroke measurement element, on the circuit board		(8 g)

Disposal



Do not dispose of the device as part of standard household garbage, but as special waste from electrical and electronic components. 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.

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 **MXG461.15-..**

	total weight.	Cast iron	Brass, bronze.	Cr/Ni steel	Box.	Styrofoam
MXG461.20-5.0	3928 g	1050 g	134 g	43 g	224 g	61 g
MXG461.25-8.0	4293 g	1392 g	150 g	45 g	307 g	71 g

Legal disclaimer: This declaration is for information purposes only.

The above information may be inaccurate or incomplete. Siemens Building Technologies Ltd. therefore does not assume liability for any error or any consequences which may arise from the use of this information to the maximum extent under the law.

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