



## *Environmental product declaration*

### Product

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

### Process control

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

### Product use

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

### Environmental risk (fire)

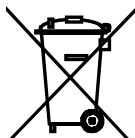
Fire protection as per	<b>EN 60730</b>
Fire load	<b>approx. 10 MJ</b>
Parts containing halogens (result in corrosive smoke)	<b>pc board without components cover, base, hand wheel, insert</b>

### Packaging

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

<b>Materials</b>		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
<b>Special Components</b>	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
<b>MXG461.20-5.0</b>	3928 g	1050 g	134 g	43 g	224 g	61 g
<b>MXG461.25-8.0</b>	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.