

Environmental Declaration - Type II Self-declared Environmental Claims

General information

Declaration type	<p>Environmental labels and declarations - Self-declared environmental claims - Type II environmental labelling - compliant with ISO 14021:2016</p> <p>This document encompasses a range of products with similar material compositions and specifically highlights the product with the greatest weight within that range.</p>
Owner of this declaration	<p>BELIMO Automation AG Brunnenbachstrasse 1 8340 Hinwil Switzerland</p>
Description of the organisation	<p>BELIMO Automation AG is a leading global developer, manufacturer, and distributor of field devices, which are crucial in the precise control of heating, ventilation, and air conditioning systems. Our consistent commitment to innovation, reliability, and energy efficiency directly influences system performance and efficiency.</p> <p>Our global headquarters is in Hinwil, Switzerland, and we have a presence in more than 80 countries worldwide. Our focus on providing localised customer support and service underlines our role as a reliable international partner. Our dedication to sustainability and environmental protection is evident in our corporate strategies, daily operations, and especially in our approach to product development.</p>
Product-related or management system-related certifications	<p>Quality management ISO 9001 Environmental management ISO 14001</p>

Belimo and the UN Sustainable Development Goals (SDGs)

	<p>At Belimo, our product portfolio, business processes, and values are naturally aligned with UN Sustainable Development Goals, focusing on the environment, health and well-being, and society.</p> <p>Trust, integrity, competence, and responsibility – values that lie at the foundation of environmental, economic, and social sustainability – define our corporate culture. As an employer, we support personal commitment, teamwork, cultural diversity, and the courage to take risks to inspire customers. We have designed and optimised our product portfolio to maximise energy efficiency and longevity. One hundred percent of our sales align with the UN Sustainable Development Goals.</p> <p>Our overall sustainability mission is to promote global sustainability by creating healthier indoor environments that consume less energy.</p>
Health and well-being	<p>Belimo products offer improved indoor air quality, promoting the health, comfort, and well-being of building occupants and enabling critical applications. Our intelligent HVAC components control the major factors affecting room climate and assure a stable and healthy environment (SDG 3).</p>
Environment	<p>Our products save energy and reduce CO2 emissions. Moreover, they increase the energy efficiency of buildings (SDG 7) and contribute to their resilience (SDG 9), while making our cities safer and more sustainable (SDG 11). Through our activities, we contribute to doubling the global rate of improvement in energy efficiency, creating measurable sustainability benefits, and strengthening resilience and adaptive capacity to climate-related disasters (SDG 13).</p>

Belimo and the UN Sustainable Development Goals (SDGs)

Society As an employer, we continuously create excellent jobs that emphasise personal commitment, engagement, growth, teamwork, and cultural diversity (SDG 8). We uphold sustainable procurement practices and localised sourcing, minimising waste, and optimising logistics through modularising our product ranges and applying environmental management standards at our central production sites (SDG 12).

Covered products

Product group: Globe valve flange **Representative product:** H7150S

This document is based on the representative product with the greatest weight in the product group. The list that follows includes all products covered by this declaration.

Product family:	H6..X..				
H6015XP4-S2	H6015XP63-S2	H6015X1-S2	H6015X1P6-S2	H6015X2P5-S2	H6015X4-S2
H6020X4-S2	H6020X6P3-S2	H6025X6P3-S2	H6025X10-S2	H6032X10-S2	H6032X16-S2
H6040X16-S2	H6040X25-S2	H6050X25-S2	H6050X40-S2	H6065X58-SP2	H6080X90-SP2
H6100X125-SP2					
Product family:	H6..S				
H610S	H611S	H612S	H613S	H614S	H615S
H619S	H620S	H624S	H625S	H632S	H640S
H650S	H664S	H665S	H680S	H6100S	H6125S
H6150S					
Product family:	H6..N				
H611N	H612N	H613N	H614N	H615N	H620N
H625N	H632N	H640N	H650N	H664N	H665N
H679N	H680N	H6100N			
Product family:	H6..R				
H611R	H612R	H613R	H614R	H615R	H620R
H625R	H632R	H640R	H650R	H664R	H679R
H6100R					
Product family:	H6..SP				
H640SP	H650SP	H664SP	H679SP	H6100SP	H6125SP
H6150SP					
Product family:	H7..X..				
H7015X4-S2	H7020X6P3-S2	H7025X10-S2	H7032X16-S2	H7040X25-S2	H7050X40-S2
H7065X63-S4	H7080X100-S4	H7100X160-S4			
Product family:	H7..N				
H711N	H712N	H713N	H714N	H715N	H720N
H725N	H732N	H740N	H750N	H764N	H765N
H779N	H780N	H7100N	H7125N	H7150N	
Product family:	H7..R				
H711R	H712R	H713R	H714R	H715R	H720R
H725R	H732R	H740R	H750R	H764R	H779R
H7100R					
Product family:	H7..S..				

Covered products

H715S	H720S	H725S	H732S	H740S	H750S
H765S	H780S	H7100S	H7125S	H7150S	

Product information

Chemical disclosure	RoHS	EU Directive 2011/65/EU (RoHS)
	This product complies with the EU Directive 2011/65/EU (RoHS), which restricts the use of specific hazardous materials in electrical and electronic equipment.	
	REACH	1907/2006 (EC Regulation REACH)
	This product complies with the provisions of EC Regulation No 1907/2006, also known as REACH (Registration, Evaluation, Authorisation, and Restriction of Chemicals).	

Recycling and end-of-life information

The recycling quota (metal material proportion) is calculated using the following formula:

$$\text{Recycling quota} = 100 \times \text{Metal weight} / \text{Total weight}$$

For calculating the recycling rate (metal and plastic material proportion), the following formula is used:

$$\text{Recycling rate} = 100 \times (\text{Metal weight} + \text{Plastic material weight}) / \text{Total weight}$$

Disposal	Product	Devices belonging to this product family should be properly disposed of after their life cycle and should not be disposed of with regular domestic waste. Local and applicable regulations apply.
	Packaging	Belimo's packaging providers perform their work according to RESY guidelines. Packaging is recyclable.

Environmental benefit

Belimo offers tailored and optimised solutions that cater to all customer demands, and improve cost efficiency over the entire building life cycle. Belimo products and processes are continuously optimised and enhanced. This is achieved by close collaboration with suppliers and partners.

Logistics

Transport	Due to the strategic presence of our Customisation Centres globally, Belimo has effectively managed to minimise transport routes.
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Component	Material	Weight
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Product materials and fire load

Material	Weight	% Weight	Fire load
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Total

* without packaging materials

Fire load calculation according to the formula:

$$\text{Fire load [MJ]} = \text{weight [kg]} \times \text{energy value [MJ/kg]}$$

Basic embodied carbon calculation

Calculation methodology The embodied carbon calculation herein follows the 'Basic' methodology outlined in TM65 by the Chartered Institution of Building Services Engineers (CIBSE). This approach relies on data pertaining to the product's material composition to compute embodied carbon for both the A1 (Material Extraction) Scale-up and buffer factors are employed to account for additional life cycle stages such as A2 (Transport to Factory), A3 (Manufacturing), A4 (Transport to Site), C2 (Transport to Waste Processing), C3 (Waste Processing), and C4 (Disposal).

Product life service 15 years

Product complexity Category 2 (CIBSE TM65 Table 4.3)

Assumptions A1: Material carbon coefficient source CIBSE TM65, Table 2.1
B3: Materials replaced as part of repair (%) CIBSE TM65, Table 2.1

Disclaimer

This environmental declaration, classified as Type II, was prepared by Belimo Automation AG in alignment with ISO 14021 standards. This document is provided solely for informational purposes. As Belimo products continue to advance technically, we reserve the right to introduce technical modifications without prior notice or announcement.

The information in the product confirmation is based on Belimo's best knowledge at the time of release of this document. This declaration is provided on an "as is" basis without express or implied warranties or commitments of any kind.