

## Environmental Declaration -Type II Self-declared Environmental Claims

**General information** 

Declaration type	Environmental labels and declarations - Self-declared environmental claims - Type II environmental labelling - compliant with ISO 14021:2016 This document encompasses a range of products with similar material compositions and specifically highlights the product with the greatest weight within that range.	
Owner of this declaration	BELIMO Automation AG	
	Brunnenbachstrasse 1 8340 Hinwil	
	Switzerland	
Description of the organisation	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.	
	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.	
Product-related or management system-	Quality management ISO 9001	
related certifications	Environmental management ISO 14001	

## Belimo and the UN Sustainable Development Goals (SDGs)

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.

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.

Our overall sustainability mission is to promote global sustainability by creating healthier indoor environments that consume less energy.

**Health and well-being** Belimo products offer improved indoor air quality, promoting the health, comfort, and wellbeing 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).

**Environment** 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).



## 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:	Condensation swit	ch	Representative product:	22HH-100S-7		
This document is based on the representative product with the greatest weight in the product group. The list that follows includes all product covered by this declaration.						
Product family:	22HH					
22HH-10	22HH-100S-6		22HH-100S-7	22HH-100X		
Product information						
c	hemical disclosure	RoHS	EU Directive 2011/65/EU (RoHS	·		
		This product complies with the EU Directive 2011/65/EU (RoHS), which restricts the use ofspecific hazardous materials in electrical and electronic equipment.REACH1907/2006 (EC Regulation REACH)				
	This product complies with the provisions of EC Regulation No 1907/2006, also k REACH (Registration, Evaluation, Authorisation, and Restriction of Chemicals).					
Recycling and end-of-life	information					
	Recycling quota	0.68 %				
		The recycling quota (metal material proportion) is calculated using the following formula:				
		Recycling quota = 100 x Metal weight / Total weight				
	Recycling rate	100 %				
		For calculating the recycling rate (metal and plastic material proportion), the following formula is used:				
		Recycling rate = 1	00 x (Metal weight + Plastic materi	al weight) / Total weight		
	Disposal	Product				
		and should not be	y to this product family should be   e disposed of with regular domesti ple regulations apply.	properly disposed of after their life cycle c waste.		
		Packaging				
		Belimo's packagir Packaging is recyo	ig providers perform their work ac lable.	cording to RESY guidelines.		
Environmental benefit						
			ored and optimised solutions that iency over the entire building life (	cater to all customer demands, and cycle.		
		Belimo products a		timised and enhanced. This is achieved by		
Logistics						
	Transport		ic presence of our Customisation nise transport routes.	Centres globally, Belimo has effectively		



## Logistics

Logistics					
	Component	Material	Weight	Weight	
Product materials and fire load					
	••••		<b>A</b> (1) <b>(</b> (1))	· · ·	
	Material	Weight	% Weight	Fire load	
Plastic	EPDM	0.9 g	<0.5%	0.03 MJ	
	PA	16.24 g	3%	0.45 MJ	
	РС	92.09 g	18%	2.67 MJ	
	PE	4.13 g	1%	0.18 MJ	
	PET	0.1 g	<0.5%		
	Other plastic materials	4.77 g	1%	0.14 MJ	
Electronics	Electronics	381.67 g	76%	7.63 MJ	
Metal	Steel	3.42 g	1%		
Total		503.32 g		11.11 MJ	
	* without packaging materials				
	Fire load calculation accore	ding to the formula:	:		
	Fire load [MJ] = weight [kg	-			
Designments diad carbon calculation			-		
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)				
Embodied carbon results [kgCO <sub>2</sub> e]	A1: Material extraction (components that are 0.2 kgCO <sub>2</sub> e replaced in B3)				
	A1: Material extraction (original product) 2.04 kgCO <sub>2</sub> e				
	A1–A4, B3, C2–C4: Total embodied carbon with 4.07 kgCO₂e scale-up and buffer factors				
Assumptions	A1: Material carbon coeffic B3: Materials replaced as p		CIBSE TM65, Table 2.1 CIBSE TM65, Table 2.1		
Disclaimer					

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.