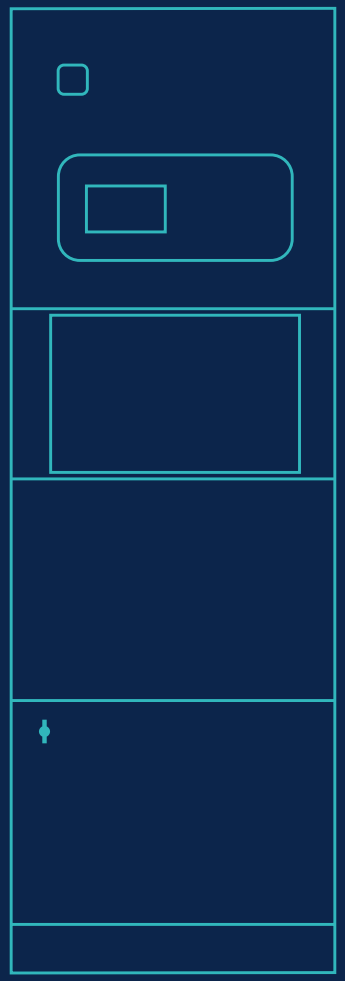


Product Environmental Profile

Getinge Aquadis Endo 110

GETINGE

Overview

Getinge sustainability ambitions

At Getinge we take steps to empower our customers to reach their sustainability goals. One way to do this is by looking at how we can make our products and solutions as resource efficient as possible. We are committed to reduce our carbon footprint by setting ambitious targets to become net-zero by 2050 in line with the Science Based Targets initiative (SBTi).

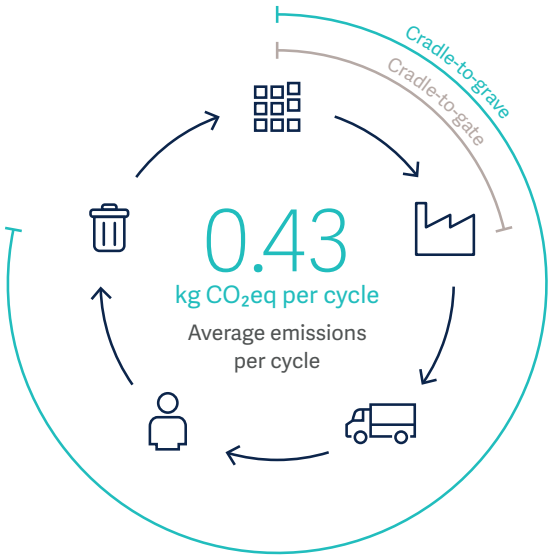
All manufacturing sites work with environmental management systems in compliance with ISO 14001.

Read more about Getinge sustainability ambitions on our website.

EcoDesign efforts

EcoDesign is standard practice at Getinge, focusing on using safer and fewer materials, incorporating circular solutions, and reducing media, energy, and water consumption.

Product climate impact



The main cradle-to-grave results are representative for the EU market, please refer to page 5 for other regional scenarios.

Product description

Getinge Aquadis Endo 110 is an automated endoscope reprocessor, designed to simplify every step of the endoscope reprocessing workflow – minimizing manual tasks, ensuring effective results, and maintaining full traceability.

Aquadis Endo 110 is available in two models: single- and pass-through versions. Both are designed with a fast, 20-minute standard process including cleaning and high-level disinfection for one complex endoscope or two single-channel /non-channel endoscopes.

Main assumptions

- Lifetime = 10 years
- Equal to 30,000 cycles
- 1 complex flexible endoscope or 2 simple flexible endoscopes (single channel or non-channeled) per cycle

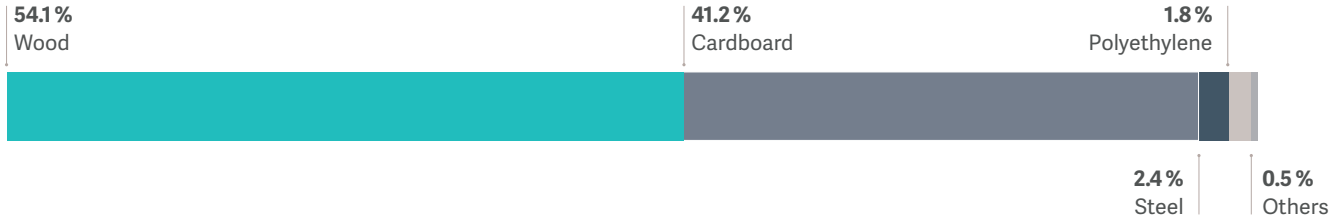
Product

Total weight (net): 240.2 kg

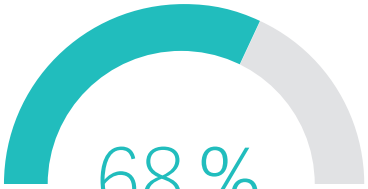
[1] Electrical and Electronical Equipment

Packaging

Total weight (gross): 38.8 kg



Recyclability



The following materials are considered recyclable: Steel, Alu, Bronze, Brass, Copper (except cables), Cardboard, Paper, Thermoplastics (PMMA, PVC, ABS, PC, PS, PET, PE, PA, PP, POM). Thermosetting plastics, elastomers and other materials not listed are considered non recyclable. Recycled content evaluated in the study but requires documented trail in the value chain.

Data input

Electrical consumption for Clean / HLD process: 402.6 Wh / cycle

Electrical consumption for Thermal Self-disinfection (A0600) process: 1,830 Wh / cycle

Electric consumption in Standby mode: 81 W

Water consumption during Clean / HLD process: 20.3 L

Water consumption during Thermal Self-disinfection (A0600) process: 10.8 L

Detergent consumption during Clean / HLD process: 53.4 mL

Detergent consumption during Thermal Self-disinfection process: 59.6 mL

Disinfectant consumption during Clean / HLD process: 79.1 mL

Disinfectant consumption during Thermal Self-disinfection process: 0 mL

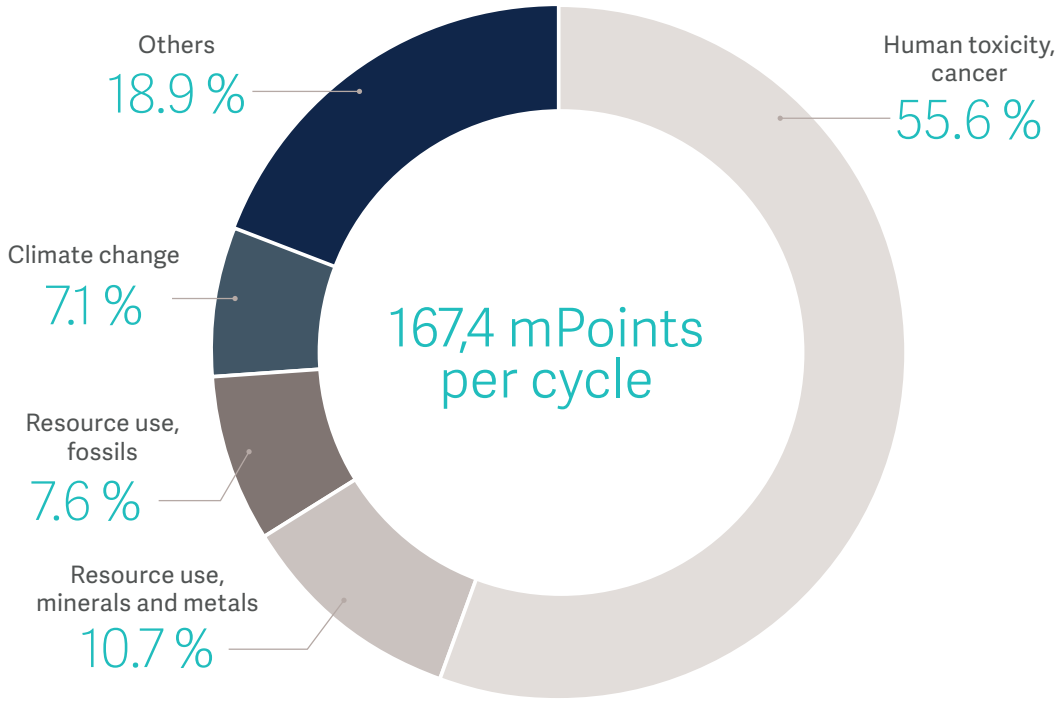
Program selection:

- Clean HLD 89 %
- Thermal Self-disinfection 11 %

Environmental impacts

Per cycle

One point corresponds to the environmental impact of one person for one year.
The result for this product is calculated over a period of 10 years.

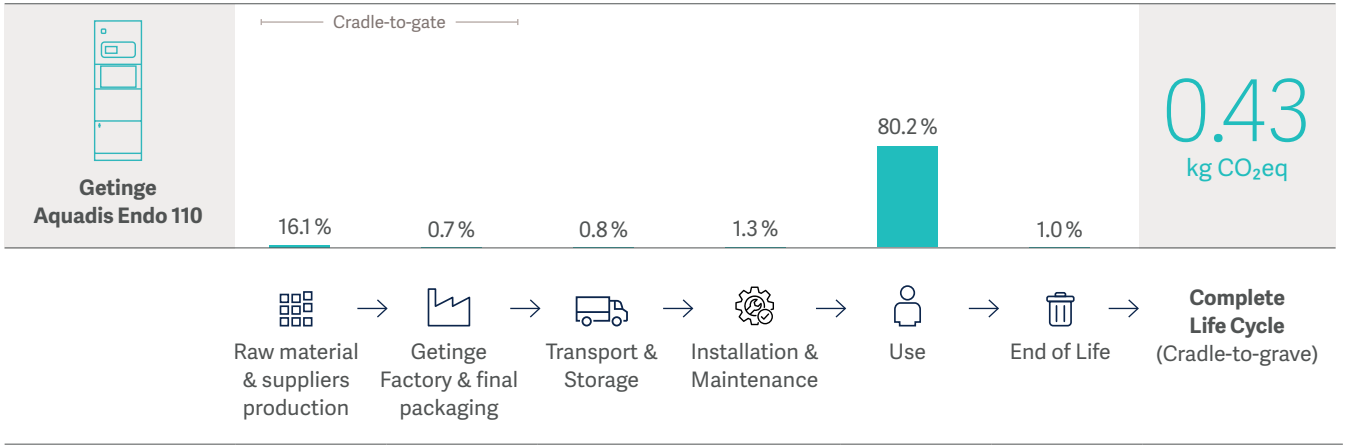


Product environmental impact with focus on climate impact

The main cradle-to-grave results are representative for the EU market and for other markets, please refer to regional scenarios. This as the results are sensitive to key parameters that are within the customer and end-user control and dependent on their geographical location such as choice of transportation mode and distances and waste handling of product and packaging.

Global Warming Potential

kg CO_2eq per cycle



Regional scenarios kg CO_2eq

Europe	16.1 %	0.7 %	0.8 %	1.3 %	80.2 %	1.0 %	**0.43 kg CO_2eq**
North America*	12.9 %	0.5%	0.6 %	1.0 %	84.1 %	0.8 %	**0.53 kg CO_2eq**
South America**	24.5 %	1.0 %	1.2 %	1.9 %	69.9 %	1.5 %	**0.28 kg CO_2eq**
APAC	9.5 %	0.4 %	0.5 %	0.7 %	88.4 %	0.6 %	**0.72 kg CO_2eq**
Japan	11.1 %	0.5 %	0.5 %	0.9 %	86.4 %	0.7 %	**0.62 kg CO_2eq**
Middle East	12.6 %	0.5 %	0.6 %	1.0 %	84.5 %	0.8 %	**0.55 kg CO_2eq**
Low carbon energy	40.3 %	1.6 %	1.9 %	3.2 %	50.5 %	2.5 %	**0.17 kg CO_2eq**

*Based on US data
**Based on Brazilian data

Recommendations to reduce the climate impact

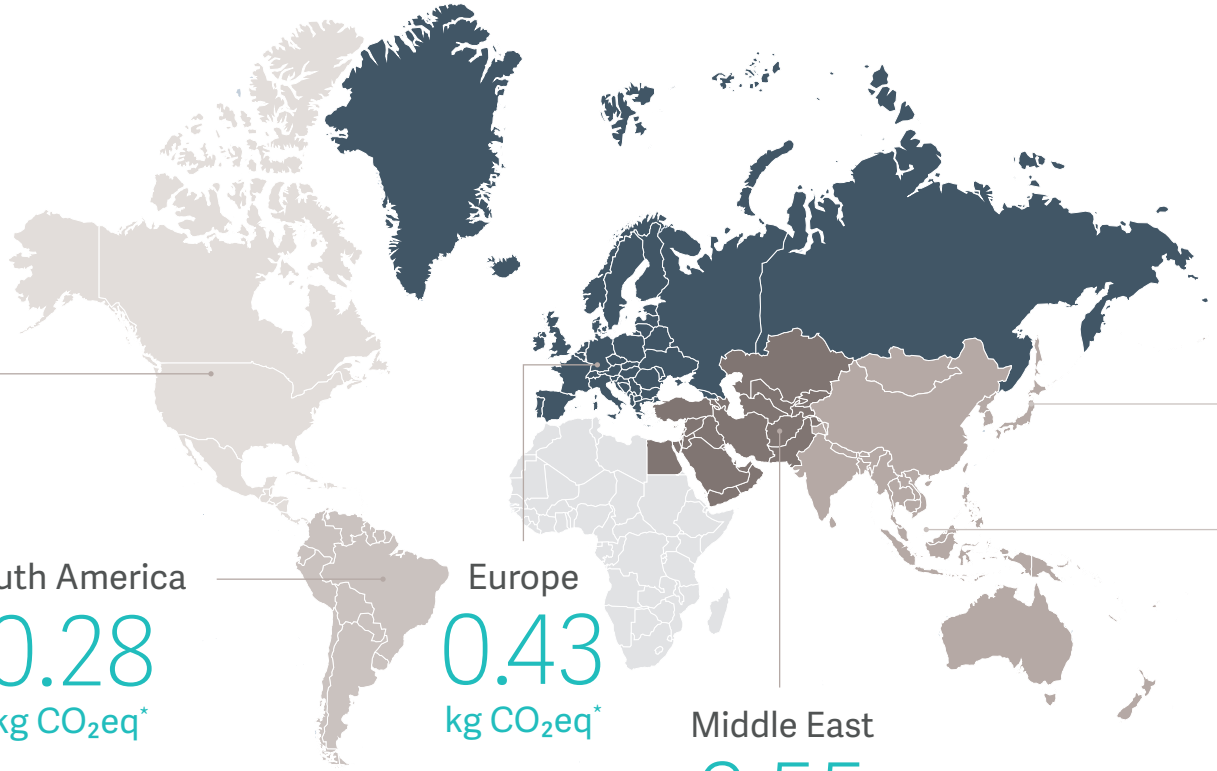
Recommendations to customers and end-users to further reduce the climate impact of their use of the product:

- Use low-carbon electricity
- Recycling of the product

Complete life cycle per region

For reference, the emission of 1 kg of CO_2eq is comparable to:

- A car journey of 7 km with thermal car
- A train journey of 341 km with high speed train
- Using a laptop for 42 hours



North America
0.53
kg CO_2eq*

South America
0.28
kg CO_2eq*

Europe
0.43
kg CO_2eq*

Middle East
0.55
kg CO_2eq*

Japan
0.62
kg CO_2eq*

APAC
0.72
kg CO_2eq*

Volume of disinfected medical devices for 1 cycle = 1 complex flexible endoscope or 2 simple flexible endoscopes (single channel or non-channeled)

*Average CO_2 emissions per disinfection cycle

The LCA and EcoDesign methods

Product Environmental Profile (PEP) communicates the results of a Life Cycle Assessment (LCA). This is a methodology for assessing environmental impacts associated with all the stages of the life cycle of a product, process, or service. I.e. for a product environmental impacts are assessed for the raw material extraction (cradle) followed by the whole value-chain further processing, through the product's manufacturing (gate), distribution and use, to the recycling or final disposal of the materials it is composed of.

The EIME (Environmental Impact and Management Explorer) software, version 6.2.4, and its database (version CODDE-2024-04 updated on 2024-06-04) were used for the Life Cycle Assessment (LCA). Indicators from the PEF 3.1 were applied. All LCA studies include holistic analysis of all relevant environmental impacts used for EcoDesign input. Further details can be available upon request, contact responsible PLM/R&D team.

GETINGE

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