Design for sustainability (DfS) scorecard

With our DfS scorecard, we drive sustainability improvement during the product development process through multiple product sustainability criteria divided into seven impact areas.

Milli-Q® CLX 8Series Water Purification Systems

New generation of high-throughput water purification systems with elimination of mercury and optimization of key component lifetime

Impact areas	Results
MATERIALS	Introduction of new bactericidal Mercury-free reactors with LED technology in water production and in the tank. These new reactors have a longer lifetime, thus minimizing the replacement frequency for these critical components by 50%.
SUPPLIERS & MANUFACTURING	60% of the product's upstream supply chain and manufacturing are covered by suppliers (Tier 1) who participate in the Together for Sustainability initiative with a valid assessment.
PACKAGING	System's pallet and corrugated box have sustainable forestry certification and system's corrugated box has over 50% recycled content. System's protective inserts made of polyethylene (PE) foam with over 80% recycled content.
ENERGY & EMISSIONS	Under standardized operating conditions*, optimizing the bactericidal reactors reduces daily electrical consumption by about 5%. Actual results may vary depending on usage patterns, system configuration, water characteristics or region.
WATER	Baseline and new product have the same water filtration performance. Both systems are equipped with the E.R.A.® technology to optimize water consumption. [Ref1]
USABILITY & INNOVATION	No change compared to baseline product in consideration of our DfS criteria
CIRCULAR ECONOMY	No change compared to baseline product in consideration of our DfS criteria

Baseline product: Milli-Q® CLX 7Series Water Purification Systems

** From MyMilli-Q™ Statistical Data*

© 2026 Merck KGaA, Darmstadt, Germany and/or its affiliates. All Rights Reserved. The vibrant M , Milli-Q, E.R.A, and MyMilli-Q are trademarks of Merck KGaA, Darmstadt, Germany or its affiliates.
All other trademarks are the property of their respective owners. Detailed information on trademarks is available via publicly accessible resources. 2021 - 34638