

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® IQ 7000 Ultrapure Water System

Ultimate ultrapure water solution - less electricity, more compact and mercury-free UV lamps



Impact areas

Results



MATERIALS

18% reduction of system weight thanks to overall system size reduction
33% reduction of plastic for purification cartridges thanks to innovative IQnano® ion-exchange media



SUPPLIERS & MANUFACTURING

No change compared to baseline product in consideration of our DfS criteria



PACKAGING

Packaging weight reduction thanks to smaller system and purification cartridge
System's corrugated box with sustainable forestry certification. Protective inserts made of 100% bio-based polyethylene (PE) foam from sugar cane waste for the system and made of PE foam with a minimum of 50% recycled content for the Q-POD® water remote dispensers.



ENERGY & EMISSIONS

35% reduction of system electricity consumption thanks to optimization of components and processes as well as implementation of the "Lab Close" mode



WATER

Reduction of water consumption during system quality control thanks to the implementation of a new impermeability test by air instead of by water



USABILITY & INNOVATION

New innovative mercury-free UV oxidation lamps



CIRCULAR ECONOMY

The system is designed to be easily maintainable

Baseline product: Z00Q0V0T0 – Milli-Q® Advantage A10