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® IX 7010 Pure Water Purification System

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

Impact areas	Results
MATERIALS	15% system size reduction but 4% weight increase due to more efficient but heavier power supply 60% reduction of plastic use in purification cartridges thanks to extended lifespan and more compact design
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 E-POD® water remote dispensers
ENERGY & EMISSIONS	32% reduction of system electricity consumption thanks to optimization of components and processes as well as an embedded improved "Lab Close" mode
WATER	7% water reduction during system use thanks to new periodic EDI rinsing 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 bactericidal lamp with mercury-free UVC LED technology
CIRCULAR ECONOMY	The system is designed to be easily maintainable Lower replacement frequency of purification consumables

Baseline product: ZRXV010T0 – Elix® Advantage 10