

# 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 7010 Ultrapure and Pure Water Purification System



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

### Impact areas

### Results



#### MATERIALS

12% system size reduction but 6% weight increase due to more efficient but heavier power supply



#### 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® and E-POD® water remote dispensers.



#### ENERGY & EMISSIONS

22% 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 mercury-free UV oxidation lamps



#### CIRCULAR ECONOMY

The system is designed to be easily maintainable  
Lower replacement frequency of purification consumables

Baseline product: ZRXQ010T0 – Milli-Q® Integral 10