

# 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 7015 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

27% reduction of system electricity consumption thanks to optimization of components and processes as well as an embedded improved "Lab Close" mode



#### WATER

2% water reduction during system use thanks to new periodic EDI rinsing and optimized RO recovery rate\*  
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: ZRXV015T0 – Elix® Advantage 15

\* For systems manufactured from 30<sup>th</sup> of March, 2022