

# 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® EQ 7008/16 purification kit



Reengineered purification cartridges with optimized resin mix, packaging and end-of-life management

### Impact areas

### Results



#### MATERIALS

Optimization of resin mix for IPAK Meta® cartridge to better ensure 12-month cartridges lifetime when using pure water, leading to a 4% increase of the weight of the purification kit that consists of one IPAK Meta®, one IPAK Quanta® and one IPAK Gard® cartridges, but to an overall decrease of the consumption of purification cartridges through system lifetime



#### SUPPLIERS & MANUFACTURING

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



#### PACKAGING

28% packaging weight and 31% packaging volume reduction thanks to new protective insert design and twin box concept  
Corrugated box and protective inserts with sustainable forestry certification



#### ENERGY & EMISSIONS

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



#### WATER

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



#### USABILITY & INNOVATION

Easy and quick cartridge replacement thanks to unique patented twist and lock technology



#### CIRCULAR ECONOMY

Implementation of a drain cap enables to purge an average of 60% of the water from the purification cartridges, representing an average of about 25% of the cartridges' total weight prior to disposal

Baseline product: EQ70XXPKT1 – Milli-Q® EQ 7008/16 purification kit