

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® SQ 2Series Water Purification Systems: Milli-Q® SP 240 Prefilter Module and SQPAK™ Gard Pack* (The Prefilter module and Gard Pack are used with a Milli-Q® SQ 240, SQ 240L, SQ 240XL, SQ 240C, or SQ 240CV)



Innovative simple, compact, modular and scalable tap to ultrapure water solution with less electricity and water consumption

Impact areas



MATERIALS

Results

When the prefilter module is required, there is a 31% increase of the total mass of materials when using only one dispensing module but there is at least a 8% reduction when using 2 or more dispensing modules.

Note : material savings are achieved no matter the number of dispensing modules if the prefilter module is not required



SUPPLIERS & MANUFACTURING

50% of the suppliers involved for the entire system participate in Together for Sustainability initiative with a valid assessment thanks to continuous efforts to assess and improve sustainability practices within our supply chain



PACKAGING

Systems and consumables corrugated packaging with 100% recycled content and sustainable forestry certification

Protective inserts for the systems made of polyethylene (PE) foam with 50% recycled content



ENERGY & EMISSIONS

Significant increase of pure water production rate with similar daily electricity consumption when using only one dispensing module and at least 27% reduction when using 2 or more dispensing modules thanks to simplified design, minimized electronics and optimized stand-by mode

Note: electricity savings are achieved no matter the number of dispensing modules if the prefilter module is not required



WATER

60% less tap water consumption thanks to the intelligent reverse osmosis (RO) recovery loop.
During manufacturing, innovative quality control process saves ~20 L per system



USABILITY & INNOVATION

Modular and scalable solution that allows operators to dispense ultrapure quality water at multiple locations using only one feed water source. Designed for easy installation, use and maintenance by the customer thanks to clear color-coding of the components and associated instructions



CIRCULAR ECONOMY

Designed to be easily maintained to maximize its lifetime and to be easily disassembled to facilitate end of life management

Baseline product: Direct-Q® 3 Water Purification System

* The characteristics presented in this DfS scorecard visual are the ones of the entire system including the production station, the dispensing module(s), the cartridges and the optional Milli-Q® SP 240 prefilter module

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