

## EMD Millipore Milli-Q® Advantage A10 Ultrapure Water Purification System

For ultrapure (Type I) water needs up to 300 L/day, designed to fit with all laboratory applications (spectrophotometry, chromatography, cell culture or molecular biology) with the convenience of up to 3 different ultrapure water delivery points and water quality specifically tailored to the application.

Rating: Not Rated Yet

[Ask a question about this product](#)

Manufacturer [EMD Millipore](#)

### Description

- [Description](#)
- [Specification](#)

## Description

The Milli-Q Advantage system has been designed to deliver high quality ultrapure water adapted to every user's needs in today's laboratory environment.

The system features two separate and distinct components: the production unit and the delivery point-of-use unit:

- The Milli-Q production unit is a compact system that can be placed either on the bench, under the bench or on a wall wherever it best suits you.
- The Q-POD (Quality-Point-of-Delivery) unit provides final polishing at the point-of-use, delivering ultrapure water adapted to specific needs. The Q-POD's interface simplifies operation and displays essential data for complete user reassurance. Up to three Q-PODs can be used with each production unit at different locations within the same laboratory.

## Convenient Delivery

Daily performance is facilitated by having both ultrapure water and information conveniently delivered at the point-of-use.

- The Q-POD unit is always within reach, and its convenient and adaptable dispensing enables the user to work both intuitively and precisely. The user can select either a very precise volume with the autofill key or manually press the plunger.
- The Q-POD unit's multicolor graphic display allows easy interaction with the system and provides information about water quantity and quality.

## Optimized Purification

The most reliable ultrapure water quality depends on building an optimized purification sequence.

- Pure water, ideally from an Elix purification system, enters the Q-Gard pretreatment pack which is chosen based on the feedwater source.
- Pretreated water then passes into a double wavelength UV lamp, which ensures organic molecule oxidation and bacteria destruction.
- Next, the Quantum polishing cartridge removes ionic and organic contaminants below trace levels to match the water quality required for the lab application.
- Finally, the ultrapure water produced by the system recirculates through a loop up to the Q-POD unit, where a unique range of final purifiers ensure the final purification step for all applications.

Both the Q-Gard and Quantum cartridges incorporate Millipore's eSure technology, which enables full traceability.

Total Control

Q-POD screen

Double monitoring allows control over both ionic and organic contaminants that can impact research results. Calibrated meters are used to measure the quality of produced water.

- Accurate Total Organic Carbon (TOC) monitor High-sensitivity resistivity cell

Water production unit screen

Routine maintenance and troubleshooting procedures can be managed from the primary graphic screen on the Milli-Q Advantage production unit.

Complete Peace of Mind

System Certificates

To assist laboratories in following industry requirements, Milli-Q Advantage systems are delivered with specific Certificates of Quality and Calibration for temperature, resistivity and TOC meters.

Advanced Technical Support

In addition, a complete range of services, including validation support, is provided by trained Millipore Field Service Support Engineers using calibrated equipment and Qualification Workbooks.

Specification

System Dimensions	
Production Unit Dimensions	
Height, cm (in)	49.7 (19.5)
Width, cm (in)	33.2 (13)
Depth, cm (in)	36.0 (14.2)
Weight, kg (lb)	15 (33)
Operating weight, kg (lb)	19 (41.9)
Q-POD Delivery Unit Dimensions	
Height, cm (in)	57.9 (22.8)
Depth, cm (in)	23.0 (9.0)
Weight, kg (lb)	5 (11)
Operating weight, kg (lb)	5.5 (12.1)
Other Dimensions	
Distance from production unit to Q-POD, m (ft)	2.9 (9.5)
Dispenser tubing length, cm (in)	80 (31.5)
Electric power cable length, m (ft)	2.9 (9.5)
Electric power supply voltage	100 230 V +/- 10%
Electric power supply frequency	50 60 Hz
Connections	
Feedwater connector	