

CASE STUDY: Harvard University - Mount Auburn Hospital



Installed SmartGuard RO Model
SG-30K-RSP-RDP

SMARTGUARD RO FOR SURGICAL STERILIZATION EQUIPMENT

Project:	Harvard University - Mount Auburn Hospital
Location:	Cambridge, MA
EasyWater Rep:	New England Sales Group
Job Facts:	Mount Auburn Hospital needed an RO system that would increase capacity, shrink the equipment footprint, adjust to height restrictions, eliminate the need for salt, and be equipped with redundant pumps for a seamless backup system.
Scope of Work:	(3) Washer Disinfectors, (2) Cart Washers, (1) Steam Generator and (1) RO Sink
EasyWater Equipment:	SmartGuard RO Model SG-30K-RSP-RDP

≈ PROBLEM

Mount Auburn Hospital, located in Cambridge, Massachusetts, is a Harvard Medical School teaching hospital founded in 1866 as the first hospital in Cambridge (originally known as Cambridge Hospital).

This historic facility had four main project goals:

- 1) Increase capacity of high-purity water
- 2) Adhere to stringent spatial constraints and vertical height limitations for the installation of new RO equipment
- 3) Decrease cycle times of the surgical sterilization equipment
- 4) Eliminate the cost, space and maintenance of a water softener for RO pre-treatment



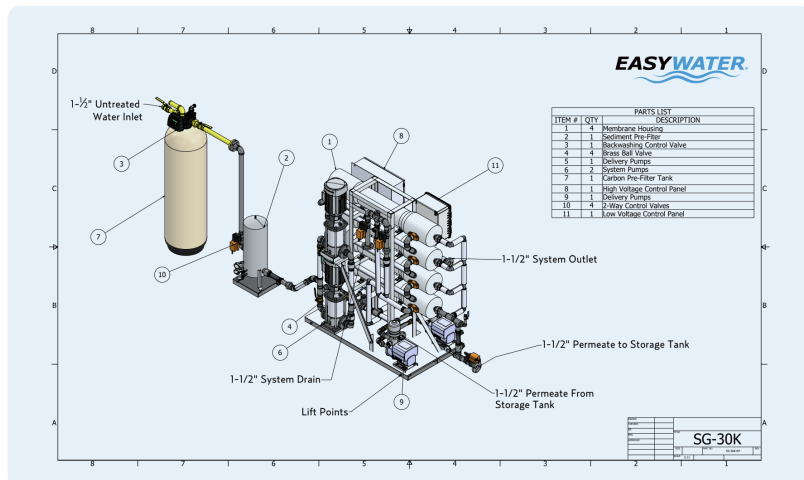
Sediment and carbon pre-treatment

≈ SOLUTION



EasyWater SmartGuard RO to provide straight RO water that will provide the 6.5 gpm that is needed during peak usage. System comes with two VFD driven 20 gpm at 60psi delivery pumps, two system pumps and an ultrasonic level sensor to install in the customer provided tank. The SG-30K RO system reduced the 33 minute cycle of the cart washer to 20 minutes.

The SmartGuard SG-30K RO system eliminates the need for a softener and chemical pre-treatment while delivering a large volume of high-purity water. **This system is fully customizable to accommodate specific size requirements and constraints.** EasyWater designed and built the SmartGuard RO system to comply with the 3'D x 7'-2"L x 73"H dimensions, so the system could be maneuvered through the facility to the mechanical room.



≈ RESULTS

When the current water treatment company could not design an RO system to meet the increased demand and limited space constraints, Mount Auburn Hospital turned to EasyWater for a customized solution. Since installing the EasyWater SmartGuard SG-30K, **the hospital has reduced cart washing cycles from 33 minutes to 20 minutes, effectively eliminating the bottleneck in their daily sterilizing operations.** The SmartGuard RO system met the hospital's requirements and exceeded their expectations.

Thad Rice at New England Sales Group had this to say:

“ Our customer, Mount Auburn Hospital has been very satisfied with the new EasyWater RO equipment. Since the SmartGuard equipment requires no salt or chemical pretreatment the engineering staff at the hospital has been very pleased with the lower maintenance time and expense. The EasyWater RO system has been easy to maintain and performs as expected. I am recommending this equipment to all of my RO customers looking to reduce maintenance expenses! ”

The Rep Firm, New England Sales Group continues to work with the Mount Auburn Hospital Staff to improve its overall water treatment program. Additional EasyWater equipment is being reviewed for use in domestic water protection and cooling tower treatment.