



USP Purified and Membrane Method WFI Water Systems



Systems deliver **Purified Water** meeting USP Purified Quality Specifications
WFI Endotoxin Quality Specification (.25 eu/ml) Capable
Represent a **significant cost savings** over heated systems

Options/Adders

- Custom Footprint
- Qualification/Validation
- BMS Interface
- Leak Detection/Alarm

- Heated Water
- Heat Exchange
- Online TOC Monitoring
- Touchscreen (HMI) Controls

- Reverse Osmosis Pretreatment
- Electrodeionization (EDI)
- Distribution Piping Design & Installation
- Maintenance Agreements

Typical Applications

- Product Ingredient/Makeup
- Component or Final Device Cleaning
- Sterilizer, Lab Dishwasher, Process Equipment Feedwater
- Humidification
- General Laboratory Supply

Standard Features

- Recirculating Design
- Exchange Deionization
- 185/254 nm Wavelength UV Disinfection/TOC Reduction
- Fully Assembled on Stainless or Painted/Coated Frame
- Microfiltration/Ultrafiltration Based on Quality Specifications
- Digital Conductivity/Resistivity Monitoring
- UL Listed Single Point Power Panel

Model #	Description	Flow Rate	Final Quality
CC5	DI-Microfiltration	5 gpm	<500 ppb TOC <100 cfu/ml >1 megohm/cm ²
CCE5	DI-Ultrafiltration	5 gpm	<10 cfu/100ml <500 ppb TOC >1 megohm/cm ² <.25eu/ml
CC10	DI-Microfiltration	10 gpm	<500 ppb TOC <100 cfu/ml >1 megohm/cm ²
CCE10	DI-Ultrafiltration	10 gpm	<10 cfu/100ml <500 ppb TOC >1 megohm/cm ² <.25eu/ml
CC20	DI-Microfiltration	20 gpm	<500 ppb TOC <100 cfu/ml >1 megohm/cm ²
CCE20	DI-Ultrafiltration	20 gpm	<10 cfu/100ml <500 ppb TOC >1 megohm/cm ² <.25eu/ml

Larger Volume/Higher Flow Rate designs are also available.

Quality Guarantee: *Smith Engineering Inc guarantees its equipment for materials and workmanship for a period of one year from date of installation or 14 months from shipment, whichever occurs first. Additionally Smith Engineering guarantees its equipment will provide purified water meeting the quality specifications set forth above.*

Typical Utility Requirements

- 120 VAC/1Ph thru 240-480 VAC/3Ph
- Backflow Prevented City or Well Water Supply at 40 psi
- 80 psi CDA
- Suitable Floor Drain Function

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Evoqua UV disinfection generator systems undergo third-party validation testing in accordance with the UVDGM (USEPA, 2006). Validated products are tested to confirm a minimum inactivation equivalent of 3 log (99.9%) for microorganisms in accordance with NSF/ANSI 50 and the UVDGM. Performance is not claimed nor implied for any product not yet validated; unvalidated products use single point summation calculations to provide delivered dose recommendations. Performance limitations depend on feed conditions, overall installed system design, and operation and maintenance processes; please refer to Operations Manuals. For more information: contactus@evoqua.com

