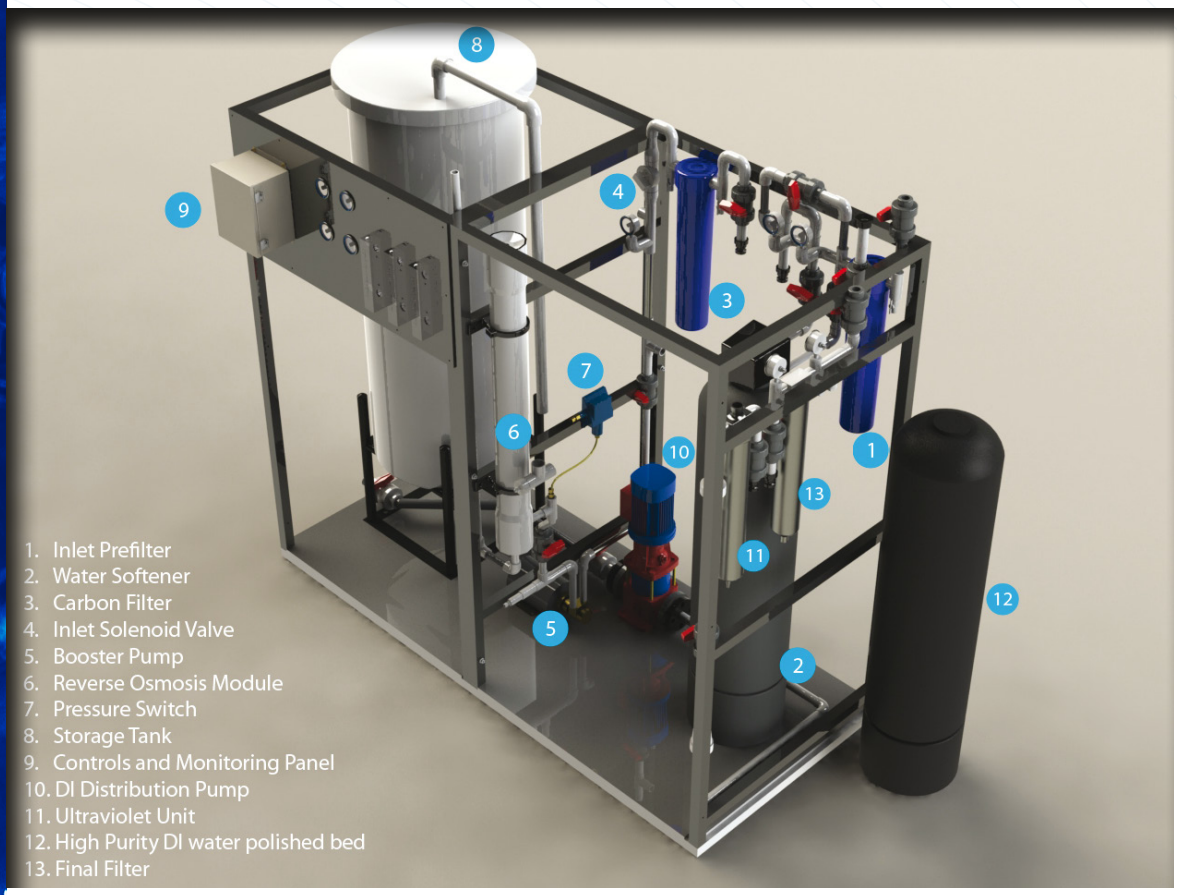
PW-UPW-E Series
High Purity Water Systems: 500 - 5,000 GPD



1. Inlet Prefilter
2. Water Softener
3. Carbon Filter
4. Inlet Solenoid Valve
5. Booster Pump
6. Reverse Osmosis Module
7. Pressure Switch
8. Storage Tank
9. Controls and Monitoring Panel
10. DI Distribution Pump
11. Ultraviolet Unit
12. High Purity DI water polished bed
13. Final Filter

Process and Water is to a total solutions company to a diverse market place. We provide our clients the technical process design, proven equipment and aftermarket preventative maintenance services required to meet their internal process and operational needs.

American Made RO-DI Controller: Highly reliable RO-DI controller with 2-cell conductivity, pressure and level controller inputs.

Inline Sediment Filter: Low micron filter removes sedimentation (SDI) and protects the RO membrane from fouling.

Granular Activated Carbon: Granular Carbon Reduces RO membrane fouling by removing chlorine and organics.

High Purity Mixed Bed Resins: Semi-conductor grade strong acid cation and strong basic anion resins allow for consistent exchange of post RO impurities to meet conductivity requirements for pharmaceutical & Electronics applications.

Bacteria & TOC Control: All electro-polished dual wavelength ultraviolet system reduces probability of bacteria growth and meets TOC requirements for pharmaceutical & Electronics applications.

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Our Ultrapure Water System standard models:

DESCRIPTION	PW-UPW-2	PW-UPW-4	PW-UPW-6
RO Recovery Rate	50-75%	50-75%	50-75%
Product Rate (GPD)	1100 GPD	2400 GPD	4500 GPD
Membranes (4" X 40")	1	2	4
Array	1	1-1	2-2
Pre-filtration	5.0 Micron	5.0 Micron	5.0 Micron
Carbon Treatment	2.0 Cubic Foot	2.0 Cubic Foot	3.5 Cubic Foot
Conductivity (2-Cell)	RO Product & Distribution	RO Product & Distribution	RO Product & Distribution
Product water Holding	120 Gallons	120 Gallons	200 Gallons
Mixed Bed Polishing	(1) 3.5 cubic foot beds	(1) 3.5 cubic foot beds	(1) 3.5 cubic foot beds
(Single Pump) 15 GPM Distribution Loop	Polypropylene	Polypropylene	Polypropylene

Process and Water offers many cost effective, ultrapure water system solutions for flows not illustrated within this datasheet.

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