

ULTRA PURE WATER SOLUTIONS:

- DEIONIZATION
- REVERSE OSMOSIS
- UV STERILIZATION
- SUBMICRON FILTRATION

SYSTEM DESIGNS INCLUDE:

- UPW CUSTOM SKIDS
- DI EXCHANGE SYSTEMS
- WALL MOUNT SYSTEMS
- POINT OF USE LAB SYSTEMS

SERVICES INCLUDE:

- SYSTEM DESIGN
- CONSULTING
- CONCEPTUAL DESIGN
- SYSTEM SUPPORT
- WATER ANALYSIS
- TURN-KEY INSTALLATION

Ultra Pure Water Systems

Water is a constant in life saving research and history-making innovations. As industry leaders in water purification we are constantly evolving to fulfill our customer's diverse applications.

Our flexible system design allows us to build a water system to meet a wide spectrum of pure water applications from the simplest to the most complex.

Our goal is simple; provide the best products and the best service.

Custom Solutions



SYSTEMS APPLICATIONS

Laboratory

- Reagent grade water
- Buffer solution
- Analyzer feed
- Ultra pure polishers
- Sterilizer feed water

Medical/Pharmaceutical

- WFI and USP
- Medical devices
- Consumer products
- Veterinary products
- Dialysis

Industrial

- Humidification makeup
- Process rinse
- Cooling water makeup
- Chemical compound mixing



Virginia Water
Systems Inc.

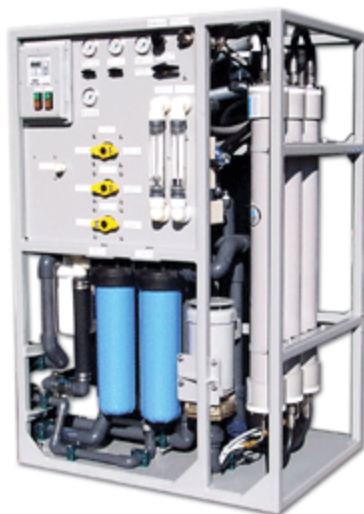
Ultra Pure Skid Systems

PURE SKID FEATURES:

- FLOW RATES 5-50 GPM
- POWDER COATED FRAME
- STAINLESS STEEL FRAME
- PRE-TREATMENT SKIDS
- POST-TREATMENT SKIDS
- FLEXIBLE DESIGN
- PRE-PLUMBED
- PRE-WIRED

PIPING OPTIONS:

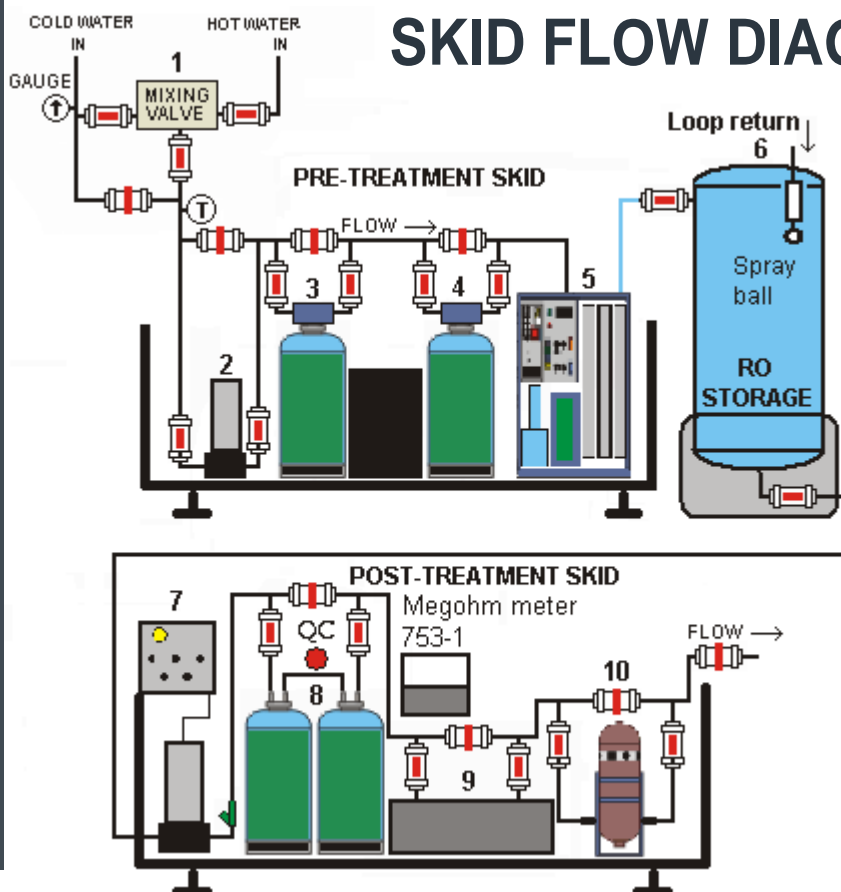
- SCHEDULE 80 PVC
- POLYPROPYLENE
- BCF PVDF
- WELDED STAINLESS STEEL



DESIGN OPTIONS

The Ultra Pure Skid Systems can be configured to meet a wide range of pure water requirements. Pre-treatment skid options include, tap booster pump, water softener, activated carbon filtration and reverse osmosis. RO water storage tanks are available in many sizes and materials. Some storage tank options include nitrogen blanket system and a return loop spray ball. Post-treatment skid options include, booster pump with controller, mixed bed deionizers, water quality monitor, UV sterilization and sub-micron filtration.

SKID FLOW DIAGRAM



- 1) BLEND VALVE
- 2) TAP BOOSTER
- 3) WATER SOFTENER
- 4) CARBON FILTER
- 5) RO SYSTEM
- 6) WATER STORAGE
- 7) BOOSTER PUMP
- 8) DEIONIZERS
- 9) UV STERILIZER
- 10) .2 MICRON FILTER

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