

Loop Ultrafiltration

K-A-HPTUF-X

SPECIALTY WATER TECHNOLOGIES

Ultra-Pure Technologies

Function: The SWT Ultrafiltration Rack for High Purity Distribution is designed for high purity water loop distribution primarily in the medical (dialysis) setting. Placed on the permeate water distribution loop, the ultrafilter membranes remove particle and microbial contamination from the permeate water.

Materials: Constructed of Fiberglass Membrane Vessels, Trisep UF Membranes, Zero Dead Leg Plumbing with Teflon Tubing, Fittings and Connections. Mounted on Sturdy HDPE Plastic. Includes Inlet and Outlet Stainless Steel Pressure Gauges, Inlet and Outlet High Purity Sample Ports, Color Coded Valve Handles, Outlet Flowmeter, 2 Drain Cups, Reject Flow Valve.



Mechanics: Requires a properly pretreated water supply consisting of RO product water with an Inlet Pressure of 30-100 PSI. Drain must facilitate 3-5 GPM. No electrical requirements.

Pressurized water flows through the membrane pathway. As the water is forced through the membranes particle and microbial contamination are rejected to drain.

User Quality Checks: Routine inspection of the system is recommended. Follow all facility and regulatory policies and protocols regarding this piece of equipment. Allow only adequately trained and qualified personnel to service this equipment.

Daily monitoring with water flowing and no demand for loop purified water:

Inlet and Outlet Pressures, Bypass Valve Closed, Product Flow and Reject Flow according to facility policy and procedure.

Bacterial and endotoxin lab draws as per facility and regulatory protocol.

Factors Effecting Operation: The Ultrafiltration Membranes are tolerant to bleach and renalin / peraciden at a 1:100 dilution ratio. They are not compatible with high level disinfection with bleach or renalin / peraciden. The membranes will not tolerate heat or ozone disinfection.

Specialty Water Technologies, Inc. (SWT) provides high quality, innovative water purification systems, components and supplies primarily in the medical/dialysis market. A FDA 510k company SWT is dedicated to high quality equipment manufacturing with exemplary customer service and satisfaction. The owners and employees of SWT have a diverse background of medical, dialysis, manufacturing and business management expertise.