



High Purity Water Treatment Systems

CANADIAN WATER TECHNOLOGIES LTD

Designed for Dialysis

- Licensed as a Medical Device Component by Health Canada under ISO 13485:2003
- Meets or exceeds ISO 13959:2014 Water for haemodialysis and related therapies
- Automatic integrated heat sanitization, with optional Ultrafiltration, controls bacteria and endotoxin to consistently maintain the highest quality water
- Event reporting and logging specifically designed for medical use

Designed for You

- Designed with input from biomedical engineers, dialysis technicians, nurses and hospital maintenance staff
- Engineered capability to feed any size of distribution system
- User friendly operator interface with optional remote monitoring
- Indirect feed, direct feed or tankless configurations available.
- Modular design allows seamless customization or retrofit to your specific requirements



Heat
Sanitization



Designed for Reliability

- 316 SS construction for high purity, long life, and high temperature sanitization
- Motorized 316 SS sanitary butterfly valves
- Powerful inline sanitary immersion heater and insulated pipe loop ensures sanitization to the most distant point of use
- Variable frequency pump and heater controllers for precision operation and energy savings
- Programmable Logic Controller keeps your machine current throughout its lifespan

Specifications

Typical Loop Size (Number of Outlets) ¹	3-6 (Tankless) 6-10 (150 USG) 11-20 (200 USG)	21-35 (300 USG) 35-45 (350 USG) 45+ (Custom)
Wetted materials:	316 Stainless Steel	
Valves:	Sanitary butterfly, motorized and hand actuated ²	
Heater:	15 / 30 kW sanitary style, in-line configuration w/ digital variable output controller	
Pump:	Multi-Stage Vertical w/ variable frequency drive	
Tank:	Conical bottom w/ sanitary spray ball	
Filter Housings (indirect feed only):	Dual 316 Stainless Steel Sanitary	
Sanitization temperature:	80 - 95 C	
Primary Power Options ³	208 VAC/60Hz/3Ø 480 VAC/60Hz/3Ø 600 VAC/60Hz/3Ø	
Ambient Operating Temperature	5 - 35 C	
Storage Temperature	5 - 50 C	
Inlet Water Temperature	5 - 40 C	

¹ Loop size is typical for number of outlets. Larger loops or loops requiring higher flow velocities may require a larger pump or a larger SDS system. This may increase the electrical service required.

² Sanitary butterfly valves available only in 150/200/300/350/Custom models

³ Service ampacity required varies depending on heater and pump options, determined by the actual length and flow characteristics of your loop.

Options

- Direct or Indirect Feed
- Dual Pump
- Tankless

Dual Pump option provides the ultimate in system redundancy.



CWT SD HD SS H	I	350	600	2P	
	Feed Mode	Tank Size (USG)	3 Phase Voltage	Options	
	D (Direct)	150	208	1P	Single Pump
	I (Indirect)	200	460	2P	Dual Pump
		300	600	A	Absolute Filter
		350		U	Ultrafilter

Training and Support

A world class product is only as good as the operators who use it on a daily basis. That is why Canadian Water Technologies has designed a practical, informative curriculum designed to facilitate your technician's familiarity with the equipment and promote maximum uptime. Training is included with all system installations. Follow up training is available upon request.



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www.canadianwatertechnologies.com