

Save Energy
Reduce Costs
Improve Safety
Increase Productivity

Heat Disinfection Technology



Available on the **CWP 100 H**



Heat Disinfection Saves Your Clinic Money

Heat vs. Chemical System Annual Cost Savings

Hard Costs		CWP Heat Disinfect System ⁶				Typical Chemical Disinfect System ⁷			
		Required Action	Annual Frequency	Cost per Action	Cost per Year	Required Action	Annual Frequency*	Cost per Action	Cost per Year
Distribution	Labor ¹	0 hr/cycle	365	\$25/Hour	\$0	4 hr/cycle	12	\$25/Hour	\$1,200
	Electrical ²	10 kw/cycle	365	\$0.10/kw	\$365	2 kw/cycle	12	\$0.10/kw	\$2
	Chemical ³	Supplies	0	\$0	\$0	Supplies	12	\$175	\$2,100
	Water ⁴	0 gal/cycle	365	\$.006/gallon	\$0	1000 gal/cycle	12	\$.006/gallon	\$72
Reverse Osmosis	Labor ¹	0.1 hr/cycle	52	\$25/Hour	\$130	3 hr/cycle	52	\$25/Hour	\$3,900
	Electrical ²	2 kw/cycle	52	\$0.10/kw	\$10	2 kw/cycle	52	\$0.10/kw	\$10
	Chemical ³	Supplies	52	\$18	\$936	Supplies	52	\$45	\$2,340
	Water ⁵	1400 gal/cycle	52	\$.006/gallon	\$437	1000 gal/cycle	52	\$.006/gallon	\$312
Total Annual Cost⁸		\$ 1,878				\$ 9,936			

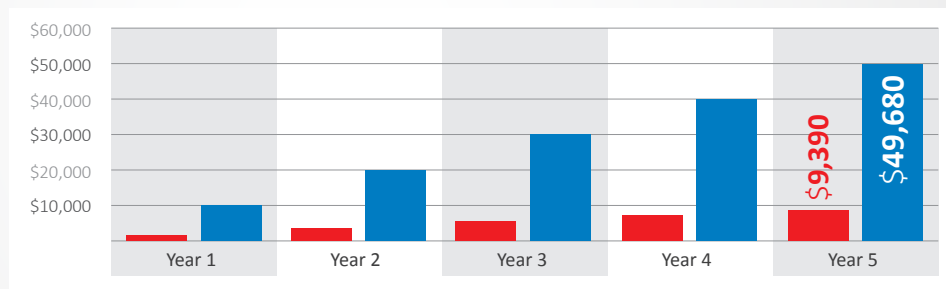
*Minimum Annual Frequency based on requirements established by AAMI guidelines and CMS regulations.

Side Benefits

		Heat Disinfectable System	Chemical Disinfectable System
Distribution	Up Time Percentage	88%	74%
	Bacteria Control Effectiveness	High	Nominal
	Automation	Full	Manual
	BioFilm Control	Excellent	Good

BASED ON
HEAT DISINFECTABLE
CWP VS.
100 VS.
STANDARD
CHEMICAL DISINFECTABLE
DIALYSIS WATER SYSTEM

5 Year Cost Savings Comparison



Footnotes

- Labor rates based on average U.S. clinic personnel fully-burden cost per hour. Rate may vary based on schedule, title, region, and/or if performed by outside vendor.
- Electrical rate based on U.S. national average at time of publication.
- Chemical supply cost based on using Minncare® Cold Sterilant, Residual and 1% test strips, PPE, and other necessary items.
- Water usage required for chemical disinfect based on an average 250-gallon holding tank with 500ft distribution piping system.
- Water usage required for RO chemical disinfect based on comparable, mid-sized systems.
- CWP features an automated heat disinfect cycle during non-dialyzing hours, no attendee required. It requires no chemical usage on the distribution piping system. Water usage is extremely minimal due to self-contained hot water tank. CWP features a semi-automated chemical disinfect cycle during non-dialyzing hours, no attendee required once initiated. Low and High pH cleanings were not factored into this study.
- Per AAMI guidelines and CMS regulations, water treatment systems require a monthly disinfection of the distribution components and piping. If results indicate unacceptable microbiological levels, then an additional cost per disinfection, plus the cost of re-testing will be required. For RO disinfection, a factor of 52 was used for both systems to demonstrate a comparable analysis since a weekly routine is recommended for the CWP. Low and High pH cleanings were not factored into this study.
- Total Annual Cost is an estimated projection based on the criteria and years of experience.



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