

## Estimated annual operating costs

### ASSUMPTIONS

- 240 liter annual water usage per DTR (1.0L of water per DTR daily, 5 days/wk, 48 wks/yr [92.3% DTR usage]).
  - Costs listed are annual usage costs only - does not include initial equipment costs (if any) or the cost of source water (if other than tap water is used).
- Note: DTR=dental treatment room/operatory

System	GOVERNMENT ANNUAL COST		RETAIL ANNUAL COST		Comments
	Formula	Annual cost per DTR	Formula	Annual cost per DTR	
<b>BioClenz*</b>	(\$95 per 2 gal/7570ml per 2 gal)(60ml per use)(48 weeks per yr) + (\$95/7570)(1.333 ml per liter continuous use)(240 annual liters)	\$39	(\$174 per 2 gal/7570ml per 2 gal)(60ml per use)(48 weeks per yr) + (\$174/7570)(1.333 ml per liter continuous use)(240 annual liters)	\$72	
<b>Dentacide*</b>	(\$83.40/[12 bottlesx16oz ea bottle])(2 oz per use)(2 uses/wk)(48 wks/yr)	\$83	(\$149.88/[12 bottlesx16oz ea bottle])(2 oz per use)(2 uses/wk)(48 wks/yr)	\$150	
<b>DENTAL-CLEAN (Selective Micro)</b>	(\$13.90/6 DTRs)(1 application/2wks)(47 wks/yr) + (\$13.90/3 DTRs)(1 application/yr)	\$59	(\$16.35/6 DTRs)(1 application/2wks)(47 wks/yr) + (\$16.35/3 DTRs)(1 application/yr)	\$69	
<b>DentaPure DP40</b>	(\$24.99 per cartridge)(240 annual liters/30L per cartridge)	\$200	(\$79.95 per cartridge)(240 annual liters/30L per cartridge)	\$640	DentaPure instructions state that the cartridge should be replaced after 30L or 40 calendar days. 30L used for this calculation.
<b>DentaPure DP365 Cartridge</b>	(\$214.99 per cartridge)(1 cartridge per year)	\$215	(\$674.95 per cartridge)(1 cartridge per year)	\$675	
<b>ICX</b>	(\$641.46/[36 boxes x 50 tabs/box])(2 tabs/day)(5 days/wk)(48 wks/yr)	\$171	(\$1080/[36 boxes x 50 tabs/box])(2 tabs/day)(5 days/wk)(48 wks/yr)	\$288	Calculations based on 0.7L bottle size. 1.0L water usage per day would require two mixes (ICX recommends discarding excess daily).
<b>Lines*</b>	\$69.97/5000ml)(60ml per week)(48 wks/yr)	\$40	\$99.95/5000ml)(60ml per week)(48 wks/yr)	\$58	
<b>MicroCLEAR</b>	(\$28 per 2 gal/7570ml per 2 gal)(100ml product/1 liter water)(240 L annual water usage)	\$89	(\$35 per 2 gal/7570ml per 2 gal)(100ml product/1 liter water)(240 L annual water usage)	\$111	
<b>Mint-A-Kleen*</b>	(\$64.97/[10 bottlesx16oz ea bottle])(2 oz per use)(1 use/wk)(48 wks/yr)	\$39	(\$99.95/[10 bottlesx16oz ea bottle])(2 oz per use)(1 use/wk)(48 wks/yr)	\$60	
<b>PureLine50 (Sterisil)</b>	\$815.49 to replace all filters annually (covers up to 42 DTRs at 240L per year each)	Varies by facility size \$20/DTR if 40 DTRs \$82/DTR if 10 DTRs	\$1600 to replace all filters annually (covers up to 42 DTRs at 240L per year each)	Varies by facility size \$40/DTR if 40 DTRs \$160/DTR if 10 DTRs	Cost estimates assume annual replacement of all filters. While some of the system's filters must be replaced annually, replacement of the antimicrobial filter (which is the most expensive filter in the system) can be based on total volume usage rather than annually. This would lower the cost per DTR from that shown for smaller clinics, as smaller clinics will have a lower total annual clinic water usage.
<b>PureTube BR365 (Sterisil)</b>	(\$187.00 per cartridge)(1 cartridge per year)	\$187	(\$340.00 per cartridge)(1 cartridge per year)	\$340	
<b>PureTube PLUS (Sterisil)</b>	(\$46.75 per cartridge)(4 cartidges per year)	\$187	(\$85.00 per cartridge)(4 cartidges per year)	\$340	
<b>Sterilex Ultra Liquid*</b>	(\$30.65/10 sets)(1 set/3 DTRs)(1 application/wk)(48 wks/yr)	\$49	(\$54.00/10 sets)(1 set/3 DTRs)(1 application/wk)(48 wks/yr)	\$86	
<b>Sterilex Ultra Powder*</b>	(\$24.24/20 packets)(1 packet/4 DTRs)(1 application/wk)(48 wks)	\$15	(\$48.00/20 packets)(1 packet/4 DTRs)(1 application/wk)(48 wks)	\$29	
<b>Sterilox</b>	(\$84.99/[4x3785ml])(20 ml soln/liter bottle)(240 liters/year)	\$27	(\$99.99/[4x3785ml])(20 ml soln/liter bottle)(240 liters/year)	\$32	

<b>Team Vista Waterline Cleaner Combo Pack</b>	(\$46.20/[2 oz][456 drops/oz])(4 drops/0.75 liter)(240 liter/year)	\$65	(\$84.00/[2 oz][456 drops/oz])(4 drops/0.75 liter)(240 liter/year)	\$118	Price calculation based on VistaClean (liquid) usage as VistaClean runs out before VistaTabs (tablets) run out using given assumptions.
<b>VistaClean Irrigant Solution Concentrate</b>	(\$14.85/oz soln)(1 oz soln/456 drop)(5 drops/750ml water)(240,000ml water/yr) + (\$1.10/VistaTab)(6 VistaTab/yr) + (\$14.85/oz VistaClean)(1 oz soln/456 drop)(8 drops/application)(6 applications/yr)	\$60	(\$27/oz soln)(1 oz soln/456 drop)(5 drops/750ml water)(240,000ml water/yr) + (\$2/VistaTab)(6 VistaTab/yr) + (\$27/oz VistaClean)(1 oz soln/456 drop)(8 drops/application)(6 applications/yr)	\$110	Note: includes alternating VistaTab and VistaClean monthly shock treatments.
<b>VistaClear 2970 System Integrated into Pelton &amp; Crane new units</b>	\$75.35 annual filter + (\$9.35/500ml VistaClean Plus)(60ml VistaClean Plus/1500ml water)(240000 ml water/yr) + (\$1.10/VistaTab)(6 VistaTab/yr) + (\$14.85/oz VistaClean)(1 oz soln/456 drop)(8 drops/application)(6 applications/yr)	\$263	\$137 annual filter + (\$17/500ml VistaClean Plus)(60ml VistaClean Plus/1500ml water)(240000 ml water/yr) + (\$2/VistaTab)(6 VistaTab/yr) + (\$27/oz VistaClean)(1 oz soln/456 drop)(8 drops/application)(6 applications/yr)	\$478	Note: includes alternating VistaTab and VistaClean monthly shock treatments.
<b>VistaClear 1000 System for individual DTR</b>	\$75.35 annual filter + (\$1.10/VistaTab)(6 VistaTab/yr) + (\$14.85/oz VistaClean)(1 oz soln/456 drop)(8 drops/application)(6 applications/yr)	\$84	\$137 annual filter + (\$2/VistaTab)(6 VistaTab/yr) + (\$27/oz VistaClean)(1 oz soln/456 drop)(8 drops/application)(6 applications/yr)	\$152	Note: includes alternating VistaTab and VistaClean monthly shock treatments.
<b>VistaClear 1000-47-C centralized system for 7 DTRs</b>	(\$75.35/annual filter x 4 annual filters/7 DTRs) + (\$1.10/VistaTab)(1 tab/2 DTRs)(6 applications/yr) + (\$14.85/oz VistaClean)(1 oz VistaClean/456 drop)(8 drops/application, each DTR)(6 applications, each DTR/yr)	\$48	(\$137/annual filter x 4 annual filters/7 DTRs) + (\$2/VistaTab)(1 tab/2 DTRs)(6 applications/yr) + (\$27/oz VistaClean)(1 oz VistaClean/456 drop)(8 drops/application, each DTR)(6 applications, each DTR/yr)	\$87	Note: includes alternating VistaTab and VistaClean monthly shock treatments.
<b>Vista DayTab Continuous use Tablets</b>	(\$18.15/60 tabs)(2 tabs/day)(5 days/wk)(48 wks/yr)	\$145	(\$33.00/60 tabs)(2 tabs/day)(5 days/wk)(48 wks/yr)	\$264	
<b>Waterclave</b>	(\$150/annual DI filter)(1 DI filter/10 DTRs) + (480 ml Sterilex Ultra/DTR)(\$2.42/480 ml Sterilex Ultra)(2 applications/year)	\$20	(\$200/annual DI filter)(1 DI filter/10 DTRs) + (480 ml Sterilex Ultra/DTR)(\$4.80/480 ml Sterilex Ultra)(2 applications/year)	\$30	Note: does not include utility (electric) costs. Unit requires a dedicated 30A, 220V circuit.

\*Manufacturers use differing estimates for the volume of treatment solution required to fill the dental unit lines. For consistency, a value of 60 ml (2 oz) is used for all products.