



Conclusion 1:
All brands need additional product(s) to make them work which increases the total cost

Conclusion 2:
From a unit price point some products seem economical but are not when all extra cost for additional required products are included it levels the playing field (GREEN)

Conclusion 3:
When taken out the most expensive treatment there is no specific product that jumps out as being a lot more economical or expensive then others.

BRAND	PRICE PER UNIT	AVERAGE REQUIRED YEARLY	PRICE PER YEAR	ADDITIONAL PRODUCT	COST	AVERAGE REQUIRED YEARLY	PRICE ADDITIONAL PER YEAR	TOTAL PER YEAR	TOTAL PER MONTH	COST PER WEEK
O-CARE	CA\$ 214,00	3	CA\$ 642,00	Sanitizer	CA\$ 20,00	2	CA\$ 40,00	CA\$ 682,00	CA\$ 56,83	CA\$ 13,12
SILK BALANCE	CA\$ 232,99	3	CA\$ 698,97	Silk Balance Shock Gems	CA\$ 160,88	3	CA\$ 482,64	CA\$ 1181,61	CA\$ 98,47	CA\$ 22,72
FROG@EASE	CA\$ 70,00	6	CA\$ 420,00	Frog Mineral Cartridge	CA\$ 50,00	3	CA\$ 150,00	CA\$ 570,00	CA\$ 47,50	CA\$ 10,96
HOT TUB SERUM	CA\$ 135,95	4	CA\$ 543,80	Sanitizer	CA\$ 20,00	3	CA\$ 60,00	CA\$ 603,80	CA\$ 50,32	CA\$ 11,61
AQUA FINESSE	CA\$ 209,99	3	CA\$ 629,97	N/A	CA\$ 0,00	0	CA\$ 0,00	CA\$ 629,97	CA\$ 52,50	CA\$ 12,11
FRESH WATER	CA\$ 149,68	3	CA\$ 449,03	Silver Ion + Salt + Water Softener	CA\$ 195,00	1	CA\$ 195,00	CA\$ 644,03	CA\$ 53,67	CA\$ 12,39
GENERIC CHEMICALS	N/A	N/A	CA\$ 350,00	N/A	N/A	N/A	N/A	CA\$ 470,00	CA\$ 39,17	CA\$ 9,04
AVG PER PURCHASE	CA\$ 168,77						Average Price	CA\$ 683,06	CA\$ 56,92	CA\$ 13,14

Calculation specifics for the Price Matrix

	Average required yearly* + Price additional unit*
Brand	Usage and Calculations
O-Care	1 box every 4 months for normal 7 Ft hot tub = 3 boxes per year + Sanitiser any average 3 x chlorine
For Silk Balance	1 Bottle every 4 months + Sanitiser Gems -> 3 per week - based on 2 times use per week (1x 2 people + 1x > 4 people
For Frog@Ease	Frog@Ease Chlorine Cartridge last 3 weeks - 52 weeks per year - 17,3 cartridges per year - Sold in Pack of 3 = 6 packs -Additional you need mineral cartridge every 4 months = 3 per year and a shock dose every month no \$ included
Hot Tub Serum	Average of 1 bottle per 13 weeks is 4 per year as described on website link + Sanitiser any average 3 x chlorine
Fresh Water	Average 3 cartridges per year- Price per Cartridge 124,99 Test Strips for both salt and the pH and Chlorine version + Salt + Water Softener \$94,99- Shocking advised no \$ included
Generic Chemicals	<ol style="list-style-type: none"> Chlorine: To maintain sanitation, a 1350 liter-hot tub typically needs 1-2 ppm of chlorine. You might need 3-6 kilo of chlorine per year At C\$ 40, the annual cost could be between C\$ 120 to C\$ 240. pH Increaser/Decreaser: Adjusting pH usually requires about 3-5 liter per year. At, C\$ 20 per liter the yearly cost would be between C\$ 60 to C\$ 100 Alkalinity increaser: Used to increase alkalinity and typically needed a few times a month. You use between 1-2 kilograms per year, which would cost between C\$ 25 to C\$ 50 annually. Metal Remover: Often used once every few months to prevent staining from metals. You may need around 1 or 2 per year. This could cost around C\$ 25 to C\$ 50 annually. Other Additives (e.g., algaecides, clarifiers): Used less frequently but can still add up to C\$ 80 to C\$ 140 per year. <p>Estimated Total Annual Cost: Combining all these, the total yearly chemical expenses could range from C\$ 240 to C\$ 460. This is an estimate, and actual costs can vary based on factors like local water conditions, hot tub usage, and chemical brand preferences. For this calculation let's average those so C\$ 240 to C\$ 460/ 2 = C\$ 350</p>
	With none of the products we included the cost of pH in or decreases as all of them would theoretically need these although some a lot less then others this would be too arbitrary to make a conclusion of those costs. Including that the cost of these products is the lowest of them all we feel it was better to leave them out.