

Saturation index

Ideal -0.3 to +0.3

$$\text{Saturation Index} = \text{pH} + \text{TF} + \text{CF} + \text{AF} - \text{TDS}^*$$

Above +0.3 means scaling & below -0.3 means corrosive

*TDS -12.1 is a constant used in the calculation of the Saturation Index For Pools

*TDS -12.2 is a constant used in the calculation of the Saturation Index For Spas

SATURATION INDEX CONVERSION CHART					
TF		CF		AF	
Temp°F / °	TF	CH PPM	CF	TA PPM	AF
32°F	0.0	5	0.3	5	0.7
37°F	0.1	25	1.0	25	1.4
46°F	0.2	50	1.3	50	1.7
53°F	0.3	75	1.5	75	1.9
60°F	0.4	100	1.6	100	2.0
66°F	0.5	150	1.8	150	2.2
76°F	0.6	200	1.9	200	2.3
84°F	0.7	300	2.1	300	2.5
94°F	0.8	400	2.2	400	2.6
105°F	0.9	800	2.5	800	2.9

Total Dissolved Solids
 Below 1000 ppm above 1000 ppm
 -12.1 pool -12.2 Spa