

POOL AND SPA MAINTENANCE

Balancing Pool and Spa Chemistry

Balanced water chemistry allows a pleasant and safe environment for bathers and is easier to maintain, requiring fewer repairs to the system. However, balancing pool and spa chemistries can be a confusing task for operators. Ideal parameters are provided below to help you keep pools and spas balanced, sanitary, and safe.



IDEAL RANGES OF POOL AND SPA WATER PARAMETER

PARAMETER		IDEAL RANGE
Free Available Chlorine	Swimming Pool	Greater than 0.5 mg/L
	Spa	5.0 - 10.0 mg/L
pH	Pools and Spas	7.2 - 7.8
Total Alkalinity	Swimming Pool	80 - 120 ppm
	Spa	80 - 150 ppm
Calcium Hardness	Pools and Spas	150 - 275 ppm
Temperature	Swimming Pool	21°C - 32°C / 70°F - 90°F
	Spa	36.6°C - 38.3°C / 98°F - 101°F

CORRECTION OF PARAMETERS

PARAMETER	TO INCREASE	TO DECREASE
1) Total Alkalinity	Add Sodium Bicarbonate (Baking Soda)	Add Muriatic Acid
2) Calcium Hardness	Add Calcium Chloride	Dilute with soft water
3) pH	Add Sodium Carbonate (Soda Ash)	Add Muriatic Acid or Sodium Bisulphate

Note to Operators

- If correcting more than one parameter, always correct parameters in the order they are listed.
 - Always follow the manufacturer's directions provided for the specific chemical.

QUESTIONS?

Contact a Public Health Inspector at one of these Northwestern Health Unit offices:

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Phone: (807) 468-3147
OR 1-800-830-5978

DRYDEN
Phone: (807) 223-3301
OR 1-888-404-4231

FORT FRANCES
Phone: (807) 274-9827
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