



WATER TREATMENT SYSTEMS  
Industrial

# PERMACHLOR BUFFER

120B|250B|500B|1000B|1500B|2000B|3000B

PermaChlor Buffer is the chlorinator most suited to facilities with varying hypochlorite needs. Production volume is easy to control via the control cabinet. PermaChlor Buffer is very suitable for facilities with numerous water systems.

The Buffer salt chlorinator produces sodium hypochlorite by electrolysis.

SALT + WATER + DIRECT CURRENT = SODIUM HYPOCHLORITE

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## PRODUCT DESCRIPTION

A salt solution is fed into the system and sodium hypochlorite is produced by electrolysis. The hypochlorite is then led down into a buffer tank. From there, it is injected into the swimming pool when required. Hypochlorite has a relatively short shelf-life and should not be stored for longer than 24 hours. The concentration of the hypochlorite is < 0.8 %, approximately the same strength as the chlorine sold in grocery stores. Our systems stores no unnecessary hypochlorite, only the amount required by the facility for the upcoming day.

PermaChlor Buffer system are complete chlorinators that are easy to install since they meet the requirements for ventilation and overflow protection.

The electrolysis cabinet of PermaChlor Buffer system is like a separate miniature chlorine room. It contains: an electrolytic cell, a small buffer tank with built-in gas separation, a fan for dilution and ventilation for hydrogen, a collection container with overflow protection that will prevent leakage, as well as a control cabinet that controls the production of chlorine based on the level sensor in the buffer tank.



## INCLUDED IN THE DELIVERY

The salt table consists of a mixing unit that prepares the correct salt solution for the process, a salt tank that must be filled manually when needed (but approximately once a week), depending on consumption, as well as an unloading area that facilitates manual refilling from a salt bag.



## TECHNICAL DATA

Model	Cl <sub>2</sub> (kg/24h)	Cl <sub>2</sub> (g/h)	Production of hypochlorite max (L/h)	Salt consumption (kg/kg Cl <sub>2</sub> )	Power consumption (kW)
C-120B	2.9	120	20	2.9	1.0
C-250B	6	250	37	2.9	1.8
C-500B	12	500	70	2.9	3.6
C-1000B	24	1000	140	2.9	7.2
C-1500B	36	1500	210	2.9	10.3
C-2000B	48	2000	280	2.9	14.4
C-3000B	72	3000	360	2.9	20.6