

First Nations Chlorinators

BI Pure Water Chlorinator



Many First Nations communities have found BI Pure Water’s chlorination systems cost-efficient and easier to use. BI Pure Water also provides service and training for remote treatment plants.

BI Pure’s tablet-feed system uses 3-inch Calcium Hypochlorite tablets instead of liquid bleach or gas. The tablets are eroded by a stream of water to generate the chlorinated liquid solution. The solution is stored in a tank until injected into the drinking water by a metering pump. Precise chlorine delivery is controlled by the rate of water flow.

Operators prefer this system over gas or bleach (Sodium Hypochlorite), as it is very safe and simple to use. There are no spill or leak concerns and less personal protective equipment is required when handling tablets. There are no moving parts in the tablet feeder and no small openings that can clog, which makes maintenance minimal. Erosion technology helps prevent scale formations—often reducing maintenance needs to an annual cleaning. The PVC feeder is very durable and comes with a lifetime warranty. The up-front cost of the tablet feeder is also relatively low.

Tablets have a long shelf life (about a year) compared to Bleach/Sodium Hypochlorite which can lose half its Chlorine within two months in warm weather. While Sodium Hypochlorite is 90% water, the Accu-Tabs are dry, have lower shipping costs, and can be purchased in bulk. Chemical is concentrated allowing for smaller, stackable pails.

System options include flow pacing, residual control, compound loop capabilities, weigh scale, low-tablet alarm and more. Other options available ensure that the system can be incorporated into every facility.

Systems approved by INAC at:
Binche
Pemberton (4)
Middle River
Bighorn
Saik’uz
Skidegate
Nanoose Bay
Tipella, BC
Liard First Nation, YK
Little Sask First Nation
Saik’uz, Laketown, BC
Gilford Island, BC

Gilford Island has a Water Treatment Plant by BI Pure Water (top)

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Accu-Tab tablets are available for potable and industrial water treatment (white) and commercial swimming pools (blue). Available in 25 kg containers.

Sales & Service

- Onsite training
- Remote monitoring
- Ongoing engineering and technical support
- Replacement parts
- Upgrades

20 years experience engineering custom water treatment solutions for First Nations, private land owners, municipal and federal government.



Service Plans

Ask about our Gold-Silver-Bronze Service Packages



BC & North American award winning design & manufacture



Chlorinator Model	Chlorine Delivery Range (lbs/hr)	Tablet Capacity (lbs)	Unit Dimensions (WxLxH), approx.	Solution Tank Capacity (US gal)
BIP3012*	Up to 0.5	12	24" x 41" x 50"	22
BIP3075*	0.3 – 2	75	24" x 41" x 50"	22
BIP3150*	0.1 – 12	150	24" x 62" x 52"	30
BIP3530	4 – 25	300	24" x 62" x 54"	30
BIP3550*	4 – 25	550	24" x 62" x 74"	30
BIP30600	10 – 35	600	30" x 62" x 57"	45
BIP301100*	10 – 35	1100	30" x 62" x 74"	45
BIP361000*	10 – 35	1000	36" x 62" x 57"	45

* Chlorinators listed are NSF Standard 61



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Custom Engineered Treatment Systems