



Chlorination for towns and municipalities

Many communities have found BI Pure Water's chlorination systems cost-efficient and easier to use. BI Pure Water also provides service and supplies to our chlorination systems, even to remote areas.

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.



BI Pure's Accu-Tab chlorination system incorporates Calcium Hypochlorite tablets, available in 25 kg containers, for their long storage life and ease of use.

Top photo: Baker Lake, Nunavut Water Treatment Plant and storage by BI Pure Water

BI Pure Water supplies many communities in Western and Northern Canada

(selected):

Coquitlam
Abbotsford
Alexander
Balfour
Chetwynd
Grand Forks
Cowan Point
Chetwynd
Creston
Whistler
Haines Junction
Hicks Lake
Hudson's Hope
Kelowna Int. Airport
Kimberley
Kitimat
Lac Le Jeune
Mara Lake
Mackay River
Mill Bay
Nanoose
Port Clements
Queen Charlotte Islands
Revelstoke
Roblin, MB
Rushmere
Shuswap
Village of Carmack
Whistler
Winnipeg

Chlorinators For Town & City Potable Water



Nine BI Pure Water calcium hypochlorite tablet systems were installed throughout Whistler for the 2009 Winter Games; seven are still being used.

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



Sales & Service

- Servicing (Vancouver area and remote)
- Replacement parts & supplies (Accu-Tab buckets, Greensand etc)
- Water system upgrades

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



Service Plans

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