

BacTerminator® model BT – Fresh Water

The **most effective inline disinfection method** for water systems

The ideal method for fresh water disinfection – primary and secondary disinfection without adding chemicals to the drinking water.

The unique electrolysis technology in the BacTerminator® secures the most efficient water disinfection method on the market. Primary and secondary water disinfection with a single unit.

Bacteria in drinking water systems are common. Using the BacTerminator® water disinfection system in drinking water operations will:

- provide better and more efficient disinfection than other methods, **2–5 times more efficient than free chlorine**
- improve water hygiene and quality
- improve health and safety in your working environment
- reduce the risk of product contamination
- eliminate the need for added chemicals
- reduce microbial corrosion
- reduce the time and cost of cleaning and servicing your water system
- enable process water to be reused

Applications:

- Drinking water
- Cooling Water
- Industrial process water
- Water for the food industry
- Water for reuse
- Legionella control
- Maritime drinking water



Fig. 1: BacTerminator

Technology

BacTerminator® uses the principle of electrolysis for disinfection. By electrolyzing the feed water, BacTerminator® generates a powerful disinfection in the electrolysis chamber. This ensures a high rate of disinfection with a very low residual concentration of Cl_2 – **most of it as highly efficient hypochlorous acid, the most effective form of free chlorine.**

The BacTerminator® technology has several benefits, including:

- No need to add chemicals to the disinfection process
- Low operating costs
- Low maintenance
- Suitable for a wide range of applications

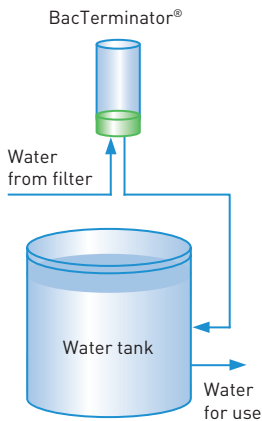


Fig. 2: Example of fresh water installation

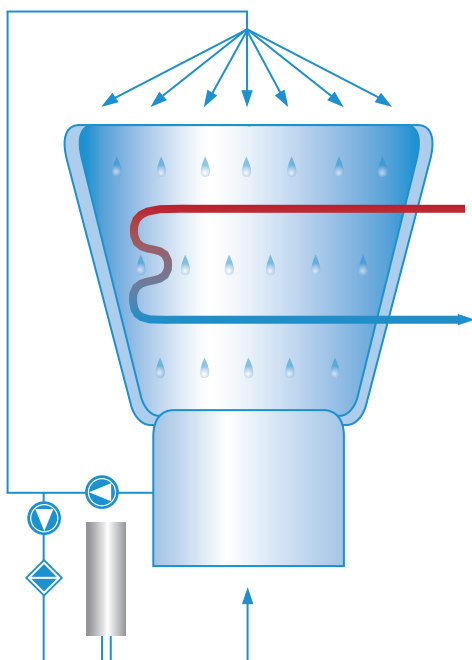


Fig. 3: Cooling tower installation

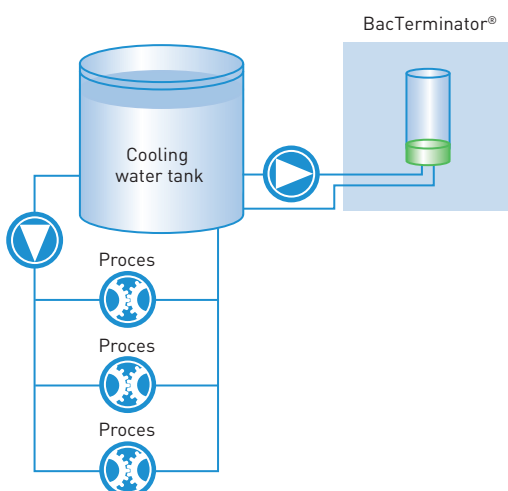


Fig. 4: A BacTerminator® system can maintain the water quality for several processes by recirculating in a water tank

Flow rate maximum:

BT 25	400 l/h
BT 50	800 l/h
BT 80	2 m ³ /h
BT 180	5 m ³ /h
BT 180x2	10 m ³ /h
BT 180x3	15 m ³ /h
BT 180x4	20 m ³ /h

Bigger models on request

Energy consumption at:

Conductivity 400µS/cm and chloride level 40 mg/l
= 150 Wh to produce 1 ppm free chlorine.

General:

- PLC operation in BT 120 and up, easy plug and play solution, alarm, IP65 protection
- Material chamber standard PVC, PP or PVDF on request
- Material power cabinet standard painted steel
- Stainless steel on request

Options:

Softener, decalcification system, chlorine monitoring, remote surveillance, pre-filter, brine booster, skid mounting

Requirements for feed water:

Media	Fresh or process water
Filtered to	<0.5 mm
Conductivity.....	>100 µS/cm
Chloride level	>20 mg/l
Ambient temperature	10-40°C

Note: high NVOC/COD content may reduce efficiency

Electrical specifications:

110 V/230 VAC/380 VAC, PE

Max power consumption:

500 W – 10,000 W

Standby use <100 W for all models