

# BacTerminator<sup>®</sup> 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 secure the most efficient water disinfection method in the market. Primary and secondary water disinfection with a single unit.

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

- 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 chemical addition
- Reduce microbial corrosion
- Reduce the time and cost spend on cleaning and servicing your water system
- Enable process water to be reused

### Applications:

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



Fig 1

BacTerminator

### Technology

BacTerminator<sup>®</sup> uses the principle of electrolysis for disinfection. By electrolyzing the feed water, BacTerminator<sup>®</sup> generates a powerful disinfection in the electrolysis chamber. This ensures a high rate of disinfection, with a very low residual concentration of Cl<sub>2</sub>.

The BacTerminator<sup>®</sup> 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

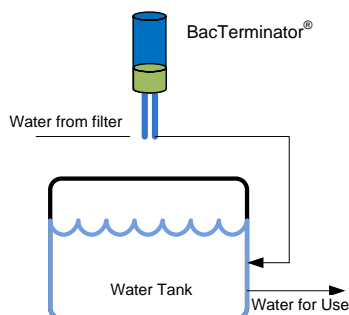


Fig 1

Example of fresh water installation

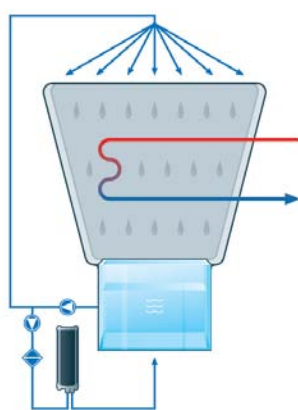


Fig 2

Cooling tower installation

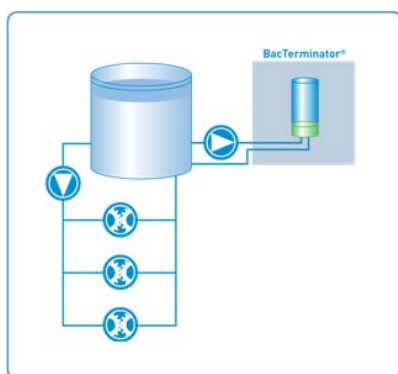


Fig 3

A BacTerminator® system can maintain the water quality for several processes by recirculating on a water tank

Flow rate maximum:

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

Bigger models on request

Energy consumption at:

conductivity 400µS/cm and chloride level 40 mg/l - 150 W\*h to produce 1 ppm free chlorine pr. m<sup>3</sup>

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 in 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	<0,5mm
Conductivity	>200µS/cm
Chloride level	>20 mg/l
Ambient temperature	5-40°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