



Water disinfection of board of the ships.

**Water disinfection using an Envirolyte ELA-400 installation,
installed in June 2013 on Viking Gabriella**

Viking Line ships sail several times daily between Finland and Sweden as well as Finland and Estonia. The Åland Islands (Finland) are accessible from both Turku and Helsinki on the Finnish mainland and in Sweden from Stockholm and Kapellskär



The Gabriella cruises the Stockholm - Helsinki route and departs every other day from Stockholm, Stadsgården and arrives in Helsinki. Every second day the departure is from Helsinki with arrival to Stockholm the following day.

The ferry was built in 1992.

- Length: 171,2 m
- Width: 27,6 m
- Passengers: 2 420
- Beds: 2 402
- Cars: 400

The fresh water tank is approximately 250 m3.

Daily water consumption is up to 50 m3

The accepted bacteria count : Less than 1 CfU / 100 ml.

(In practice = 0 CfU / 100 ml)

Installed Unit: Envirolite ELA-400, capacity 40 L of Anolyte/ hour

Installation



Envirolite ELA-400 anolyte generator on board of Viking Gabriella



General view of Envirolyte ELA-400 installation



Analyte dosing point



Different elements of the installation: anolyte tank, dosing pump and brine tank

Viking Gabriella Bacterial test results

Viking Lines had problems with high bacteria count on board the ships.

They therefore decided to take a new initiative to reduce the bacteria counts on first Viking Gabriella and then on all other six ships. After two months of extensive trials with anolyte being delivered to the ship in canisters and verification of the results by the German accredited laboratory Viking Lines ordered the installation of an Enviolyte ELA-400 unit on board of Viking Gabriella.

In June 2013 the Enviolyte ELA-400 unit was installed and only 2 weeks later the Viking Gabriella was declared free from bacteria.

The Enviolyte ELA-400 installation was accomplished by Enviolyte distributor in Finland - Enviolyte Suomi Oy, Hallimestarinkatu 23, 20780 Kaarina, Finland, e-mail: heikki.puurula@enviolyte.fi, matti.kannisto@enviolyte.fi, Tel.: +358 40 547 9220, +358 40 540 5110