

Device and method for reducing the hydrogen peroxide and
peracetic acid content in a water flow

Abstract:

A device comprising a measuring device for determining the
5 flow rate of a water stream, a measuring device for
determining the concentration of hydrogen peroxide in the
water stream, a measuring device for determining the
concentration of peracetic acid in the water stream, a
metering device for metering a reducing agent into the
10 water stream downstream of the measuring devices for the
concentrations, and a control device which, from the flow
rate of the water stream, the concentration of hydrogen
peroxide in the water stream and the concentration of
peracetic acid in the water stream, calculates an amount of
15 reducing agent for reducing the content of hydrogen
peroxide and peracetic acid to a desired value and actuates
the metering device for metering the reducing agent, makes
possible reliable reduction of the content of hydrogen
peroxide and peracetic acid in a water stream. The device
20 is suitable for reducing the content of hydrogen peroxide
and peracetic acid in a water stream which is withdrawn
from ballast water tanks of a ship.