



# TECHNICAL MANUAL

*"THE USE OF BIOCIDES"*



# THE USE OF BIOCIDES

## MEMBRANE DISINFECTION

### INTRODUCTION

To perform an effective disinfection operation, the operator must know the types and characteristics of the products available.

The use of the biocides is very important in the maintenance of the reverse osmosis, nanofiltration and ultrafiltration plants.

Everblue's product range is studied to optimise the disinfection procedure on the membrane.

### EB-BIOCIDE PLUS

**Instructions:** EB-Biocide Plus can be used in 2 different ways:

1 – Shock disinfection; using a dosing pump, it must be injected 200 – 300 ppm for 1 hour at regular intervals, from 1 day to a few of weeks, depending on the concentration of micro-organisms and bacteria.

2 – Continuous disinfection using a dosing pump, it must be injected 0,5 – 1 ppm depending on the concentration of micro-organisms and bacteria.

3 – Disinfection using standard cleaning procedures.

Prepare a solution of EB-Biocide Plus 0,03% with chlorine free water, and then make it go through the membranes for 1 hour.

Before and after the use of EB-Biocide Plus, clean the membranes using alkaline products EB-Cleaner B2 (1% - 2%) e EB-Cleaner B1 (1% - 2%) to remove biofilm and organic foulants.

**Dosage:** 200 – 300 ppm for shock disinfection; 0,5 – 1 ppm for continuous disinfection; 0,03% volume/volume for disinfection using standard cleaning procedures.





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