

MEMBRANE FILTER PLANT BYXELKROK – ÖLAND

Byxelkrok's water treatment plant in the municipality of Borgholm has put into operation, a membrane filter plant for water softening, COD-reduction as well as the removal of colour, smell and taste. The new process has low operational costs, automatic operational surveillance with 2-week interval supervision and no environmentally detrimental chemicals.



Contract:

The reconstruction has been total contract awards performed by Björks Rostfria AB. Existing buildings have been preserved and the equipment has been upgraded with a 12-tubed membrane plant. The plant has been built and functionally tested at Björks Rostfria AB's factory. It was then delivered, complete and ready for operation with electrical and control equipment, to the plant.

Result:

The contract was accomplished within a week. The plant's capacity is 60 m³/h at a pressure of 4 bars. The COD is reduced from 7 – 9 to <1 mg/L. The colour is reduced from 80 to non-measurable. No environmentally detrimental chemicals are used. The plant is energy- conserving and automated for low staff efforts.



Today, the restaurant Sjöstugan in Byxelkrok offers a popular water buffet to their guests. We at Björks Rostfria AB are proud of this.



Requirements:

A minimal of operational disturbances during reconstruction. No environmentally detrimental chemical additives to the water production. SLV's (Swedish Food Administration's) requirements must be fulfilled.