

Dow™ EDI modules perform well at bioenergy combines in Scandinavia

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ABSTRACT

A modern bioenergy combine in Scandinavia that uses the combination of DOWEX™ ion exchange resins, DO FILMTEC™ RO elements and DOW™ EDI technologies is presented in this article. There are two options to achieve a very low conductivity permeate required for the high purity boiler feed water; to use mixed bed ion exchange resins (IER) or electrodeionization (EDI) modules as polishers. The present study reflects the advantages of using EDI versus IER. It also describes the continuous and good performing capacity of DOW™ EDI units at a power plant in Sweden during 15 months.

Keywords: Electrodeionization (EDI); Ion exchange resins (IER)

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