Closed circuit desalination — A new low energy high recovery technology without energy recovery

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ABSTRACT

Closed circuit desalination of Mediterranean water with 47.5±1.5% recovery was demonstrated in the RO energy range 1.85–2.25 kWh/m³ for the respective flux range 6–18 lmh with head element recovery of 7.0±0.5%.

Keywords: Closed circuit desalination; Seawater, Low energy; High recovery; No energy recover