

## 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  $47.5 \pm 1.5\%$  recovery was demonstrated in the RO energy range  $1.85\text{--}2.25 \text{ kWh/m}^3$  for the respective flux range  $6\text{--}18 \text{ lmh}$  with head element recovery of  $7.0 \pm 0.5\%$ .

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

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