

CURC™ puts an end to leakage problem

Persistent leakage from a sodium hydroxide pump was causing ongoing problems at a desalination plant in the Middle East. The problem was a faulty seal, which was allowing diluted sodium hydroxide to leak from the pump and into the surrounding area, and as a result was having to be replaced three or four times a year.

AESSEAL® recommended replacing the faulty pump, which had been supplied by a competitor, with the more robust AESSEAL® CURC™ single cartridge mechanical seal. The CURC™ seal incorporates improved third generation self-aligning technology, and its cartridge design provides significantly greater reliability. Seals which are pre-assembled at the factory, pressure tested and shipped as a unit dramatically increase performance and greatly reduce the likelihood of errors due to incorrect installation. It is not necessary to measure and set spring compression as assembled seals mean that faces are protected from damage during installation.

The seal was installed in December 2023, and has been operating for more than 12 months without a problem. Taking into account the cost of the seal and the cost of labour, AESSEAL's solution is expected to have saved the company at least £10,000 over the course of the year.



‘Saving £10,000 per year on one pump’

Industry:	Power
Product:	CURC™
Application:	CIP
MTBF Increase:	200% (and counting)
Savings:	£10,000 per year
Reference N.O:	TD3119763

