



ENVIRONMENTAL TECHNOLOGY

## Major savings follow installation of CKD™ double seal

A dramatic reduction in water usage was just one of the benefits for a UK pulp and paper company when it replaced the flush packing on a starch pump seal with a AESSEAL CKD™ double stationary mechanical seal.

The original packing used a litre of water per minute, which added up to more than 525,000 litres a year. Following the installation of the CKD™ seal in March 2024, this fell to 25ml per day, an annual consumption of just over 9,000 litres. The new seal also prevented the continual leakage of starch into the area around the pump.

The CKD™ double stationary cartridge seal range provides highly technical, value-engineered sealing solutions applicable for all industry sectors. The stationary seal face technology is suitable for use with an angular shaft or in the case of housing misalignment, and its modular design helps to minimize any problems during the installation process.

More than two years after its installation, the CKD™ seal was still working without a problem. By contrast, the original flush packing had to be changed out every six months, partly due to the abrasive nature of the product.

The savings achieved as a result of the installation of the new seal are estimated to be more than £6,000 a year. They include hugely reduced water costs, as well as the savings in labour costs involved in changing out the packing every six months. This frees up personnel for other tasks, as well as contributing to a cleaner working environment, with fewer slip and trip hazards.



## ‘Saving >500,000 litres water each year’

Industry:	Pulp & Paper
Product:	CKD™
Application:	Starch Pump Seal
MTBF Increase:	350% (and counting)
Savings:	>£12,000 (and counting)
Water Savings:	>1 Million litres (and counting)
Reference N.O:	TD3134448



[aes seal.com/info](https://aes seal.com/info)