



ENVIRONMENTAL TECHNOLOGY

Change to DMSF™ results in huge water savings

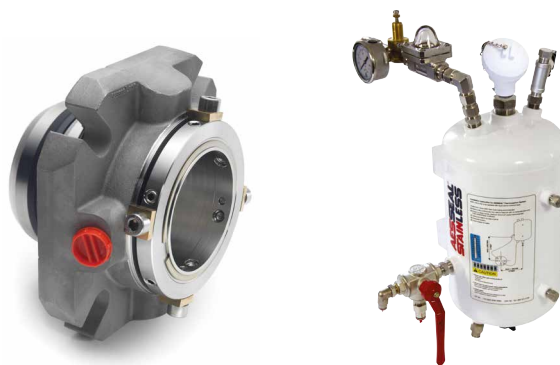
A South African pulp and paper plant was having problems with large volumes of water entering the product through the water flush on gland-packed pumps.

The problem was caused by the use of gland packing with external water flush (API Plan 32), which introduced too much water into the process. Removing it by evaporation resulted in very high energy costs.

To overcome the problem, AESSEAL® recommended replacing the gland packing with a DMSF™ dual seal and SW02™ water management system.

The DMSF™ is a double cartridge mechanical seal which has been specifically designed for difficult applications. It was installed in September 2023, and has been working continuously for more than three years.

By eliminating the ingress of excessive water into the process, it has saved the plant almost 2.5 million liters water per year. It has also resulted in huge savings in energy costs, while also reducing the strain on the evaporators.



‘More than 2.4 Million litres of water saved each year’

Industry:	Pulp & Paper
Product:	DMSF™ & SW02™
Application:	Black Liquor
MTBF Increase:	3,500% (and counting)
Water Savings:	>7.2 Million litres
Reference N.O:	TD3151885



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