



HYDROFLUX

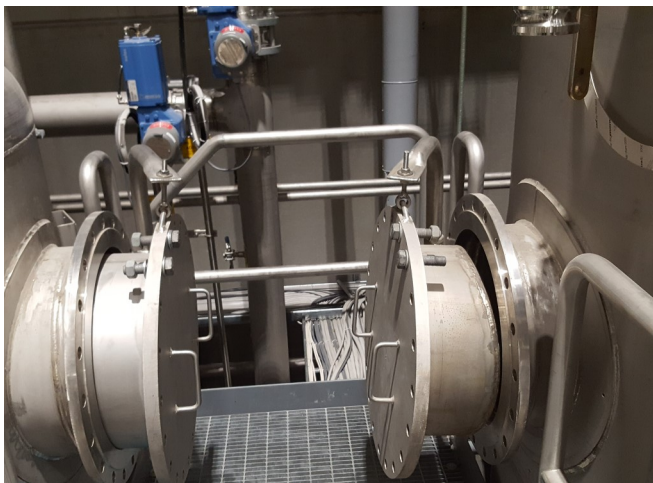
industrial

DEMINERALISED WATER TREATMENT IN PULP & PAPER



In 2017, Hydroflux completed a major upgrade to a demineralised water treatment plant for one of Australia's largest pulp & paper facilities. The upgrade involved the replacement and redesign of the existing cation and mixed bed ion exchange processes, including the supply of new specially designed SS316L Hydroflux FlooIX exchange vessels. The FlooIX system has a production capacity of 250m³/hr of high purity water used for steam generation.

Ion exchange demineralization is extensively used in heavy industrial applications due to the highly efficient use of regeneration chemicals. This allows for a higher total recovery and lower operating cost when compared with membrane processes. The higher system recoveries and lower regeneration costs makes ion exchange processes extremely



attractive for high flow demineralized water treatment systems. The new facility features Hydroflux FlooIX ion exchange vessel, manufactured entirely from stainless steel. The design includes a customizable set of internal chemical regeneration lateral diffusers to allow the vessel to be used in different services. This was one of the key advantages in the Hydroflux design, as it allowed the client the flexibility to modify the vessels use to suit future process changes.

Since commissioning, the new Hydroflux FlooIX system has reduced operating costs for the facility. The system regeneration efficiency has been increase, allowing for longer run times, reduced chemical consumption and lower trade waste costs.

Hydroflux Industrial and our partners Flootech Oy are specialists in the design and supply of high purity water systems for the pulp & paper, mining, oil & gas, steel and petrochemical sectors. For more information relating to our ion exchange solutions, please click [here](#).

An overview of Hydroflux Industrial's demineralized water treatment capabilities can also be found [here](#).

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A member of the HYDROFLUX Group

