

Application story



Hot Water for Steam Generation

Location	Finland	Hydra-Cell model	G10XKCTHFEHH / G25XKCTHFEHH
Type of application	Hot Water for Steam Generation	Flow rate	30 - 75 L/min (7.9 - 19.8 US gal/min)
Liquid	Hot Water	Pressure	15 - 40 Bar (217 - 580 psi)
Application details	Hydra-Cell® in Steam Generation Steamrator is a leading manufacturer of steam boilers and modular boiler plants, mainly supplying products in the Nordic countries, the Russian Federation and CIS countries. Most of the boilers sold in Russia are equipped with Hydra-Cell pumps for feeding high temperature water into the boiler... provided by Pump Union, Wanner's Russian distributor. Plunger pumps were considered for this application, but were discounted on the basis that they have dynamic mechanical seals would inevitably lead to leaks. Water at high temperatures is very corrosive and could rapidly have a detrimental effect on those seals. Although not always catastrophic, leaking seals require high seal maintenance and do not promote a clean, safe working environment. Hydra-Cell G10 and G25 pumps are invariably used for this application, depending on flow requirement.		
Advantages of Hydra-Cell pump on this application	Hydra-Cell was chosen for these applications for the following reasons: - Its seal-less design without dynamic seals, offer 100% liquid containment. - The ability to pump hot, corrosive liquids with ease. - The globally known reliability.		

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