

Application story



Disinfection of Nuclear Pipework

Location	Belgium	Hydra-Cell model	G25XKSGHFECB
Type of application	Pressure Injection into Closed Water Circuit	Flow rate	0.5 - 4 m3/hr (132 - 1056 gph)
Liquid	Water Citric Acid Oxalic Acid Ascorbic Acid Potassium Permanganate	Pressure	12 - 13 bar (175 - 190 psi)
Application details	A Belgium contracting company specialising in nuclear construction and services installed a Hydra-Cell G25 as an injection pump for the disinfection of closed water systems operating at 10 bar. Powered by a 5.5kW motor running at 980 rpm, with VSD speed control, the pump delivers disinfecting liquid solution into the target system at a pressure of 12-13 bar, to overcome the 10 bar internal pressure of the water system. Liquid temperature of the disinfectant is 30°C at the pump inlet, rising to 90°C further into the process. Satisfied with pump performance, the customer was later reported to be considering the Hydra-Cell for further applications.		
Advantages of Hydra-Cell pump on this application	Reliable performance with corrosive, non-lubricating liquids. Ease of control. Volumetric accuracy.		

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