

Application story



Urea for Emissions (NOx) Control

Location	UK	Hydra-Cell model	G10SKSGSNEMB
Type of application	Urea for Emissions (NOx) Control	Flow rate	Up to 18 l/min (5 gpm)
Liquid	Urea	Pressure	Up to 70 bar (1000 psi)
Application details	The acquisition of a leading US emission control company by a large British mechanical engineering specialist could open a new OEM outlet for Hydra-Cell pumps. Equipment arrived from the US and destined for installation at a UK power station includes a rig incorporating a Hydra-Cell G10, whose function is to deliver Urea to spray nozzles in a Selective Non-Catalytic Reduction process (SCNR). The American firm, a patent holder in the field and known for its advanced technology, will have recognised the advantages of the Hydra-Cell over piston plunger pumps and other seal-reliant options in handling liquids such as urea and ammonia reliably over the continuous duty periods invariably required by operators of fossil fuel or biomass power plants.		
Advantages of Hydra-Cell pump on this application	Seal-less design. Ability to pump abrasives and non-lubricants accurately and reliably on continuous duty.		

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