

Application story

WANNER
HYDRA-CELL® PRO
SEAL-LESS PUMP TECHNOLOGIES



Injection of Soil Remediation Chemicals

Location	USA	Hydra-Cell model	G10EKSJHFEMB
Type of application	Injection of Soil Remediation Chemicals	Flow rate	Up to 30 l/min (8 gpm)
Liquid	Chemical Oxidants Peroxides Permanganates	Pressure	Up to 45 bar (650 psi)
Application details	A prominent US manufacturer of tools and machinery for testing, material sampling, soil remediation and other sub-surface work recently extended its equipment range by developing a new mobile unit for fast injection of highly corrosive oxidants. The injection pump fitted as original equipment is the seal-less Hydra-Cell G10, in stainless steel. Peroxides and permanganates are among the chemicals that can be handled, and a feature of the system is that it can pump most chemicals at rates 2-3 times faster than the company's existing injection pumps. These are designed for high pressure operation at low volumes. The new unit, delivering up to 30 l/min at 45 bar, meets a growing need for higher volume output in the medium pressure ranges – while also being corrosion resistant. Together with its drive unit, a Honda GX270 9hp petrol engine, the pump is mounted on a compact wheeled cart – overall dimensions L 1092mm x W 662mm x H 660mm. Total weight of the cart is only 83 kg.		
Advantages of Hydra-Cell pump on this application	High pumping efficiency reduces power requirement. Simple construction, compact build. Seal-less design, with wetted parts in corrosion resistant materials.		

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