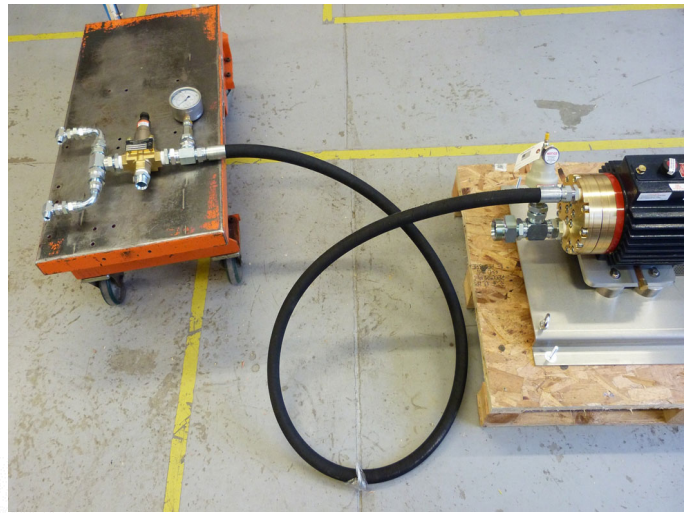


Application story



High Pressure Cleaning with Intelligent Pump Control

Location	Qatar (Installation 2018)	Hydra-Cell model	G15XDBTHFECA
Type of application	High Pressure Cleaning	Flow rate	45 l/m (12 GPM)
Liquid	Water Grey Water Brackish Water	Pressure	120 Bar (1740 PSI)
Application details	High pressure lance cleaning for truck washing with Intelligent Pump Control™. With no lances open the pump will run at 1 to 2 rpm just to keep the pressure in the discharge line. During this period, the taken power is in the order of 150W. Compared with 13KW if the pump was running at a fixed rpm. When the lances are triggered open, the pump rpm will be increased to supply the flow rate required to keep the pressure in the discharge line at 120 bar. Typical energy savings over a continuously bypassing system, over a 1 x 8 hour shift for 1 year could be in the region of 13,500 KWh.		
Advantages of Hydra-Cell pump on this application	Hydra-Cell's seal-less design ensures: • Resistant to abrasion when using recycled water or grey water • No packings to wear or leak • No oil contamination in the wash water Intelligent Pump Control™ advantages: • Delivers only the correct amount of liquid without bypass: • Saves energy; reduces noise; Saves water in environments where fresh water is a valuable commodity • Allows finer-grained control of the cleaning process by enabling the operator to throttle the pump via the lance trigger • Enables the use of multiple cleaning lances with one pump without the need for liquid bypass • Controller available with functional safety (Safe Torque Off / Safe Stop) according to EN 13849-1 and IEC 61800-5 to assure reliable stopping and inhibition of accidental re-starting when required for operator safety		

www.hydra-cell.co.uk

Wanner Engineering -
World Headquarters & Manufacturing
Minneapolis USA
t: (612) 332-5681
e: sales@wannereng.com

Wanner International
Hampshire UK
t: +44 (0) 1252 816847
e: sales@wannerint.com

Wanner Pumps
Shanghai CHINA
t: +86-21-6876 3700
e: sales@wannerpumps.com

Wanner Pumps
Kowloon HONG KONG
t: +852 3428 6534
e: sales@wannerpumps.com