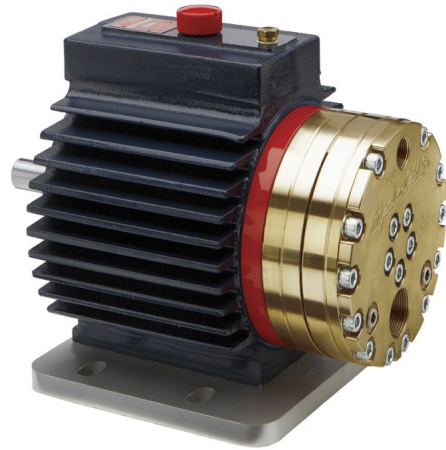


Application story



CIP Package for Chicken Hatcheries

Location	Canada	Hydra-Cell model	G15XABTHFEHA
Type of application	High Pressure Water to Spray Guns	Flow rate	50 l/min (13 gpm)
Liquid	Water	Pressure	104 bar (1508 psi)
Application details	This Canadian chicken hatchery was using individual pressure wash units in each of 5 rooms for cleaning work. High maintenance costs were incurred and the arrangement was not energy efficient. It also wasted water. It was not practical to use portable carts, because of the risk of cross contamination between hatching rooms. The Hydra-Cell distributor designed a clean-in-place package, based on the G15 pump, feeding hand-held spray guns in each of the 5 locations. The new system is energy-efficient and reduces wastage of power and water. Pressure is maintained at 104 bar at each gun, no matter how many of the other guns are in use. The system includes a C23 pressure regulating valve set to regulate outlet pressure to 104 bar, while a pressure transducer monitors line pressure. Pump speed and flow are matched to the capacity of the spray guns. As another gun is turned on, motor speed increases to the next setting - an arrangement that works because the output of the Hydra-Cell pump is precisely related to motor speed.		
Advantages of Hydra-Cell pump on this application	High pressure capability. Linearity of pump outlet flow. High pumping efficiency (saving energy).		

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