

Application story

WANNER
HYDRA-CELL® PRO
SEAL-LESS PUMP TECHNOLOGIES



Cleaning In Plant

Location	USA	Hydra-Cell model	G35XKCTHFECA
Type of application	Cleaning In Plant	Flow rate	114 l/min (30 gpm)
Liquid	Water	Pressure	69 bar (1000 psi)
Application details	A sea-food processor in Washington state, USA, has increased energy efficiency and reduced repair costs following the installation of a Hydra-Cell G35 pump for in-plant cleaning. Driven by a 30 hp motor, the Hydra-Cell pump is supplying cleaning water at the rate of 114 l/min and a pressure of 69 bar. For the same flow and pressure, the Pitot tube pump, which the Hydra-Cell replaced, needed a 50 hp motor delivering 42 bhp. The difference of 16 horsepower has meant annual savings (based on 8-hour days) of \$1500. Considerable cost savings have also been made in pump repairs. The Pitot tube was prone to wear, and when repairs were needed they were expensive. An entire repair kit for the Hydra-Cell pump could be purchased for under one-third the cost of just a mechanical seal for the Pitot tube pump. And from some sources a replacement tube could cost more than a complete G35 pump.		
Advantages of Hydra-Cell pump on this application	High pumping efficiency – low power consumption. Flow easily varied by controlling pump speed via variable frequency drive. Can pump hot or cold liquids and handle chemical solutions and solid particles. Low repair costs.		

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