

Application story



Cleaning Vegetables

Location	UK	Hydra-Cell model	G35XKCTHFEHA
Type of application	Cleaning Vegetables with Recycled Water	Flow rate	100 l/min (26 gpm)
Liquid	Recycled Water	Pressure	10 bar (145 psi)
Application details	A cleaning equipment manufacturer in the UK had previously installed centrifugal pumps on his automatic cleaning machines. However, field experience reported by customers using machines fitted with these pumps included premature seal wear and failure of flow and pressure at the spray bar. To eliminate these problems and generally improve performance, the manufacturer decided to upgrade the pumping system – by installing Hydra-Cell G35 pumps. The first G35 was fitted in 2011, on a cleaning machine for a customer in Poland. The duty is cleaning vegetables with recycled water. Major benefits have resulted – the most notable being that system pressure could be doubled from 5 bar to 10 bar raising cleaning efficiency and enabling water usage to be halved. Flow rate has been reduced from 200 l/min to 100 l/min and cleaning is more effective. Equipment failures and erratic performance associated with seal wear are no longer a risk. A second G35 pump purchased by the OEM company will go into the next machine.		
Advantages of Hydra-Cell pump on this application	Seal-less design, enabling trouble-free use of recycled water and avoiding consequential seal wear. Higher pressure working.		

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