

Application story



Cleaning Conveyor Chains

Location	Germany	Hydra-Cell model	G12XKCTHFECA
Type of application	Cleaning Conveyor Chains	Flow rate	28 l/min (7 gpm)
Liquid	Recycled Water	Pressure	40 bar (580 psi)
Application details	Heavy-duty lubricated conveyor chains, up to several kilometres in length, need periodic cleaning to remove dust and dirt. Because of their size and weight they are cleaned on site by means of sprays. Hot (70°C) recycled cleaning liquid is delivered to the nozzles at high pressure from purpose designed mobile units with integral reservoir tank and pump system. The liquid is fed back into tank through 30-micron filters. Hydra-Cell G12 pumps have been chosen for this work - preferred over alternatives because of their pressure capability, tolerance of solid particles and easy maintenance. The pump is designed for vertical mounting and sits directly on top of the tank, minimising pipework.		
Advantages of Hydra-Cell pump on this application	Higher pressure as compared with multi-stage submerged rotary pumps. (The Hydra-Cell pumps are working well below their maximum pressure capability.) Self-priming. No problems with solid particles. Easy maintenance.		

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