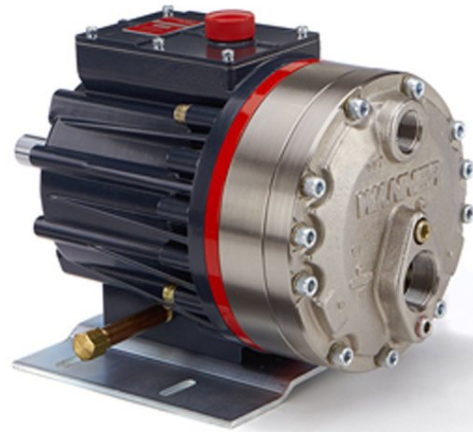


Application story



Cleaning IBC's with High Pressure Hot Water (1)

Location	Germany	Hydra-Cell model	G25XKCEHFEHA
Type of application	Cleaning IBC's with High Pressure Hot Water (1)	Flow rate	67 l/min (18 gpm)
Liquid	Recycled Water	Pressure	70 bar (1000 psi)
Application details	Hydra-Cell G25 pumps were chosen to provide hot water at 70 bar (1000 psi) pressure in this 2-stage automatic system for cleaning used IBC containers. Each pump feeds a rotating tank wash unit fitted with straight stream spray nozzles, which themselves rotate to cover the whole internal surface of the IBC. Both stages of the operation use re-cycled water, heated in separate tanks. At Stage 1, the first Hydra-Cell pump draws water from the 'dirty' tank delivering it at pressure to the cleaning head to give a 3-minute preliminary wash. The IBC automatically moves on to Stage 2, where the second Hydra-Cell pump draws from the 'clean' tank and another washer performs its 3-minute cycle. The two systems each include a centrifugal pump to remove used water from the IBC and return it to tank. Body and elastomer materials in the Hydra-Cell pumps were chosen for resistance to a wide range of cleaning chemicals and because they would allow future increases in the temperature of the wash water if necessary.		
Advantages of Hydra-Cell pump on this application	Seal-less design, with all drive parts of the pump isolated from possibility of chemical attack. Ability to handle a wide range of dirty or contaminated liquids at high temperatures. Ability to maintain constant flow irrespective of pressure.		

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