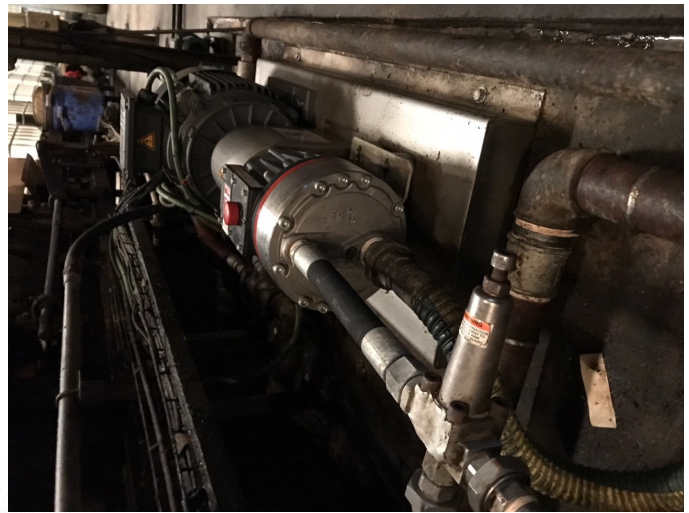


Application story



High Pressure Spray Cleaning with Solids

Location	Spain	Hydra-Cell model	G25XKSEHFEHC
Type of application	IBC containers cleaning	Flow rate	60 lpm
Liquid	Caustic Soda	Pressure	60-70 bar
Application details	A major Spanish recycler of steel drums and plastic IBC containers uses pumps for high pressure spray cleaning the inside of the plastic IBCs they are repurposing and has chosen Hydra-Cell for this purpose. The IBCs inevitably contain some residual industrial fluids or chemical traces when they arrive at the cleaning facility and this combines with the caustic cleaning fluid as the system recirculates. The mixture frequently contain particulate matter, which has the potential to cause seal wear problems in pumps that have dynamic seals. Coarse filters are used to remove larger particles and objects such as screws, but it is the smaller particles that tend to cause the seal wear that results in high seal maintenance costs or even catastrophic failure. Because the cleaning fluid used contains caustic soda, a Hydra-Cell pump with a 316L stainless steel liquid end and EPDM diaphragms was chosen.		
Advantages of Hydra-Cell pump on this application	A Hydra-Cell G25 pump was selected for the application because of its ability to handle the solids (below 5 cp viscosity), thanks to its seal-less design. It has now operated effectively and efficiently for over a year without maintenance or repair, much to the customer's immense satisfaction.		

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