

Application story



Phosphoric Acid Production

Location	Turkey	Hydra-Cell model	G35XKSAHFEHB x 8
Type of application	Transfer of Acids	Flow rate	6.25 m3/hr (1650 gph)
Liquid	Sodium Tripolyphosphate Phosphoric Acid	Pressure	40 bar (580 psi)
Application details	Established in 1979, but now part of AB Foods Inc. since 2001, AB Gıda produces new food and technical grade Phosphoric acid in this new Turkish plant, with a capacity of 21,000 tons per year. In the food industry, the material is used as an acid regulator in soft drinks, in yeast production and in the refining of butter and sugar, while technical grades are in the production of phosphate salts, in electrochemical polishing, detergent manufacture, ceramics, plastics and even in fire retardants. Hydra-Cell G35 pumps (8off) were selected for this plant for their seal-less nature, their ability to pump hot corrosive liquids without leaking and especially for their known low-maintenance requirements. Other traditional diaphragm metering pumps were looked at, however when compared to all that Hydra-Cell could offer in terms of size, energy efficiency etc. there was no contest.		
Advantages of Hydra-Cell pump on this application	Hydra-Cell was chosen in preference to traditional metering pumps for: - Their lower initial acquisition and installation costs. - Vastly reduced energy consumption.		

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