

Application story


WANNERTM
HYDRA-CELL[®] PRO
SEAL-LESS PUMP TECHNOLOGIES



High Pressure Gelatine Injection

Location	India	Hydra-Cell model	G10EKSJSNECE
Type of application	High Pressure Gelatine Injection	Flow rate	15 lpm (3.3 US gal/min)
Liquid	Gelatine (liquid form)	Pressure	70 bar (1015 psi)
Application details	India Gelatine and Chemicals Limited (IGCL) of Vapi, Gujarat, India is a leading manufacturer and exporter of technical, pharmaceutical, edible and photographic gelatines. The gelatine is produced in a complex, multi-stage process using high-tech industrial equipment. In the final stage, the highly concentrated gelatine solutions are sterilized, cooled, set and dried under strict hygienic conditions. At IGCL, a Hydra-Cell G10 pump is used to inject the Liquid Gelatine at a pressure of 70 Bar into the Votator machine that extrudes, cools and solidifies the gelatine into noodles. Liquid gelatine is non-lubricating, which proved problematical for a locally manufactured triplex plunger pump that suffered seal wear and leaked from the first day onward.		
Advantages of Hydra-Cell pump on this application	Being seal-less, the Hydra-Cell pump replacement immediately cured the leak problem, eliminated costly seal maintenance and consumed 30% less power than its plunger pump predecessor.		

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