

Application story



Low Pressure Liquid Chromatography

Location	India (Installation: 2022)	Hydra-Cell model	G25 x 17 and G10 x 2
Type of application	Metering Solutions into the Column	Flow rate	30 l/hr to 4.5 m3/h r
Liquid	80% IPA, 4% Hcl, 6% NaoH, Sugar Solution, 4% Hcl in Water	Pressure	4 to 30 bar
Application details	Sanovaskale Technologies Pvt Ltd. is a Pune-based OEM. They provide process development, process engineering and scale up services with manufacturing of purification systems used for separation and purification including adsorption chromatography (low, moderate and high pressure) and membrane filtration. They manufacture the systems for R&D scale, pilot scale and for commercial scale. The customer has brought 19 pumps (G25XKSGNNETE x14, G25XKSEHFEHC x1, G25XKMATTMA x 2, G10ERPESNEPC x 1, G10ERMATTMA) The Hydra-Cell pumps are installed within one of the largest pharmaceutical companies in India. These pumps are running on a constant duty to pump a solution with 50%v/v and 80%v/v isopropanol in water as the solvent, a flammable material, dosing aqueous hydrochloric acid (5%w/v) and sodium hydroxide (6%w/v) at flow rates from 30 LPH to 4.5 m3/h flow at a pressure in the range of 4 to 30 bar. The customer considered Lewa pumps for this application.		
Advantages of Hydra-Cell pump on this application	• Virtually pulse-free linear flow • No need for pulsation dampeners • Extreme accuracy • Low-maintenance • Compact footprint		

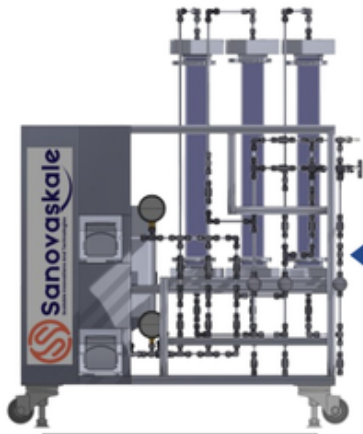
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