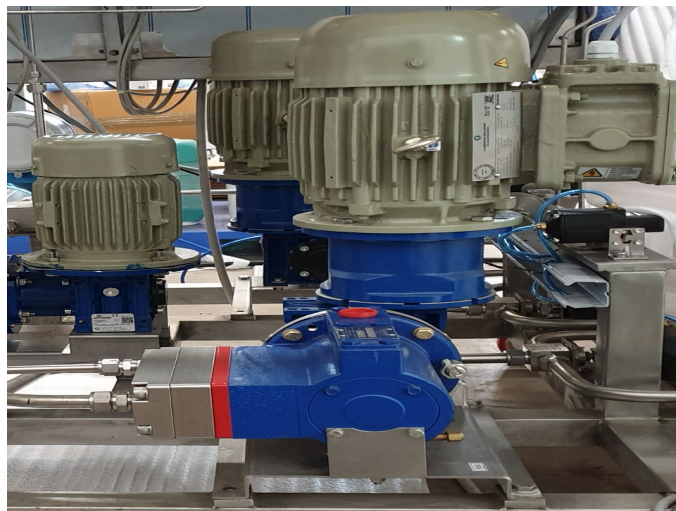


Application story


WANNER™
HYDRA-CELL® PRO
SEAL-LESS PUMP TECHNOLOGIES



High Pressure Liquid Chromatography (HPLC) 2

Location	India (Installation: January 2020)	Hydra-Cell model	P300ASJSSB60C and P300ASJSSC05C (total 6 pumps)
Type of application	High Pressure Liquid Chromatography (HPLC) 2	Flow rate	6 l/hr & 5-100 l/hr
Liquid	Isopropyl Alcohol Acetonitrile	Pressure	100 and 150 bar
Application details	LC Process is a Pune, India-based OEM who manufactures High Pressure Liquid Chromatography (HPLQ) skids for pharmaceuticals companies. HPLC is a process in analytical chemistry to separate, identify and quantify all components in a mixture. In this process, solvents are used as a mobile phase which carries the sample (Analyte) at high pressure (100 to 150 bar) to the column filled with solid adsorbent material where the separation takes place based on the affinity of the Analyte. Previously the customer used to use LEWA or Fuji techno pumps for this application.		
Advantages of Hydra-Cell pump on this application	• Ability to pump virtually pulse-free and without the need for pulsation dampeners. • Seal-less design for low maintenance. • Small footprint. • Short lead-time.		

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