

Application story



Industrial Waste Water Treatment (3)

Location	India (Installation: January 2019)	Hydra-Cell model	G15XDGGNNTCB
Type of application	Reverse Osmosis	Flow rate	50 l/min (11 gpm)
Liquid	Water (with High TDS)	Pressure	120 bar (1741 psi)
Application details	This company is an industrial waste water treatment solutions company and works in partnership with Zero Liquid Discharge (ZLD) suppliers for various industries in India. With the help of Hydraunotics, they have made a pilot plant for the demonstration of their RO skids. In this application, high total dissolved solids (TDS) water is fed into membranes and clean water (low TDS) is collected for further use in the process. The waste water is fed into membrane and is separated into two parts. One part is called Permate which has low TDS and it can be reused for other processes and the other part is called Reject, this liquid is high in TDS and will be taken to an evaporator for disposal. The Hydra-Cell seal-less pump was used as the feed pump and has proved to be so reliable, the solutions company has purchased a further pump.		
Advantages of Hydra-Cell pump on this application	Seal-less design ensures: • Reliable handling of liquids containing particles and corrosive liquids • Smooth and constant flow irrespective of pressure throughout the process • Minimal servicing requirement • Compact foot print		

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