

Application story



Polyurethane Catalyst Transfer

Location	India	Hydra-Cell model	P300MSJSSC10S
Type of application	Polyurethane Catalyst Transfer	Flow rate	up to 60 lph (15.85 US gal/hr)
Liquid	Catalyst	Pressure	up to 180 bar (2610 psi)
Application details	A major manufacturer and installer of modular cold rooms and walk-in freezers has turned to Hydra-Cell for safer catalyst injection. Having produced insulated sandwich panels for some 20 years, the Company has recently diversified into the production of modular buildings, including CoolTop, a prefabricated, thickly insulated, roofing system. In the Company's Murbad facility they were using a plunger pump to meter and inject catalyst into the foaming process. The catalyst in question is flammable and leaked from the pump seals posed a significant potential hazard to the operation. Seal maintenance and replacement of seals and plungers was proving expensive and time consuming. A seal-less Hydra-Cell P300 with a Variable Frequency Drive (VFD) proved to be the ideal solution. It provides the consistent flow and pressure required in this sensitive process, with little vibration or noise. Installed in early 2018 the pump has run faultlessly for over 12 months and as a result the Company has bought a further Hydra-Cell P300 for another production line.		
Advantages of Hydra-Cell pump on this application	1. No leakage 2. Constant flow & very stable pressure 3. Low in vibration 4. Minimal maintenance		

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