

Application story



High Pressure Coolant for Automotive Component Manufacture (5)

Location	India	Hydra-Cell model	G15XKBTHFECA
Type of application	High Pressure Coolant for Automotive Component Manufacture (5)	Flow rate	2 m3/hr (528 US gal/hr)
Liquid	Machine Tool Coolant	Pressure	110 Bar (1600 psi)
Application details	Hydra-Cell® Cleans Automotive Components Delphi TVS is a joint venture between Delphi Automotive Systems, the largest automotive component manufacturer in the world and TVS, the largest automotive component manufacturer in India. The Company manufactures common rail, direct fuel injection systems for a variety of automotive manufacturers and is using a Hydra-Cell pump in a critical cleaning application using high pressure coolant. Metal components produced on vertical machining centres require a high pressure clean to remove any foreign deposits such as metal chips remaining within machined holes. A Hydra-Cell pump is employed to generate the 110 bar pressure required for effective cleaning. The pump is able to operate effectively without the need for fine filtration and has proved extremely reliable, having run for two years without maintenance other than the oil change. Chosen in preference to screw pumps, for its ability to tolerate fines in the pumped coolant, the compact Hydra-Cell G15 has a proven low power consumption thanks to its seal-less design and high efficiency.		
Advantages of Hydra-Cell pump on this application	Hydra-Cell was chosen for this application for the following reasons: - Ability to handle this particle laden liquid, with ease. - Offers a high-efficiency, low energy usage product with a compact footprint.		

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