

Application story



High Pressure Cleaning with Abrasive Liquids

Location	France	Hydra-Cell model	T100KRSTHDEHAX
Type of application	High Pressure Cleaning with Abrasive Liquids	Flow rate	110 - 165 lpm (29.1 – 43.6 US gal/min)
Liquid	Recycled water with soda and particulate contamination	Pressure	204 bar (2959 psi)
Application details	Vallourec is the world leader in premium tubular solutions, primarily serving the energy markets (oil & gas and power generation). For the oil and gas industry, the Group designs, develops and produces a comprehensive range of products including seamless tubes and premium connections for drilling operations, line pipes and well equipment capable of withstanding extreme operating conditions: high pressure, high temperature, deviated wells, deep offshore, corrosive environments... The pipes have to be cleaned thoroughly prior to painting, especially those that are to be coated with water based paint. A piston pump used for the purpose broke down every 4-8 hours as a result of particles in the recirculating cleaning fluid causing seal failure and internal wear. A Hydra-Cell G15 was tested and proved its worth working faultlessly for three months. On the strength of this performance, the customer purchased a Hydra-Cell T100 as a direct replacement for the piston pump.		
Advantages of Hydra-Cell pump on this application	Hydra-Cell pumps, with their seal-less design, have the ability to handle abrasive liquids without breakdown.		

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