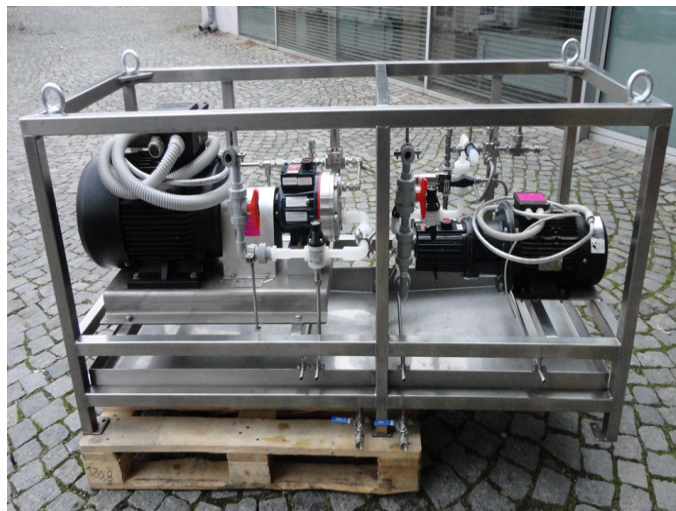


Application story



High Pressure Chemical Dosing

Location	Marianske Lazne, Czechia (Installation: 2015)	Hydra-Cell model	
Type of application	Dosing	Flow rate	G10 – Up to 1800 L/hr (475 gph); G03 – Up to 300 L/hr (79 gph)
Liquid	Sodium Nitrate (NaNO ₂) Ammonium Nitrate (NH ₄ NO ₃) Hydrochloric Acid (HCL)	Pressure	83 bar (124 psi)
Application details	The unit was designed for high-pressure dosing of two different chemicals (NaNO₂, NH₄NO₃+HCl) and intended for increasing the subsurface pressure during oil production. The aggressive nature of the medium required a combination of suitable plastic materials (PVDF, PVC) and Hastelloy C alloy.		
Advantages of Hydra-Cell pump on this application	• Seal-less design for 100% containment - protecting operators and the environment • Simple and minimal maintenance required		

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