

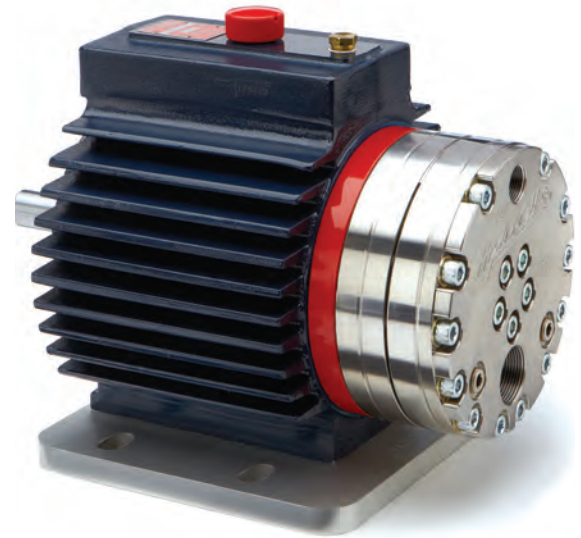
OIL & GAS INDUSTRY

Quick STUDY

Hydra-Cell[®]
Seal-less Pumps

www.Hydra-Cell.com

Location:	United States
Application:	Pressure boosting
Media:	• Water
Model No.:	D15XABTNNECB
Flow Rate:	11.3 gpm (43 l/min)
Pressure:	884 psi (61 bar)
Hydra-Cell Advantages:	• Proven reliability • Ability to handle high inlet pressure • Compact size of pump package, including diesel engine drive



Pressure Boosting Brine Water Line

In a US oilfield, reciprocating pumps deliver brine to wells for re-injection into the ground, but pressure losses in the two-mile high-pressure pipeline were slowing down the operation and hampering production. By installing a Hydra-Cell D15 pump at the header serving individual injection wells, the operator was able to boost injection pressure and increase flow to required levels. Inlet pressure at the booster pump is 305 psi (21 bar) - too high for piston/plunger pumps to handle. The Hydra-Cell unit not only handles the high inlet pressure, but also needs less horsepower than a piston pump.

Characteristics of Fluid Pumped:

☐ Contains Abrasives ☒ Corrosive ☐ Solids in Suspension ☐ High-temp. (>158°F/70°C) ☐ Non-lubricating ☐ High-viscosity (>500 cPs)