

Application story



Hydrocarbon Condensate Transfer (5)

Location	Romania	Hydra-Cell model	T80KRDGHFEPA
Type of application	Gasoline Transfer	Flow rate	10m ³ /hr (44 GPM)
Liquid	Liquid Gasoline	Pressure	35 bar (500 psi)
Application details	For the transfer of gasoline on continuous duty, a distribution depot in Romania operated by a major energy group had relied on single-diaphragm process pumps, with hydraulically balanced diaphragm. The liquid, which is non-lubricating, must be 100% contained within the pump – there must be no leakage. But high pulsation put this requirement at risk. Frequent pump maintenance was needed to try and avoid leaks – a constant threat. To counter this and put an end to the problem, it was decided to replace the original process pumps with Hydra-Cell. To match required flow of 10m³/hr, Verder Romania recommended the Hydra-Cell T8045 model, putting together a complete pump and motor set which was duly installed in 2013. ATEX compliant, the pump incorporates Viton diaphragms and 316 stainless steel head.		
Advantages of Hydra-Cell pump on this application	Seal-less leak-free design combined with compact triplex build – in which 3 diaphragms are incorporated in a single head to give smooth, accurate pulse-free flow. Reliability on continuous duty. Simple in-situ maintenance.		

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