

Application story


WANNERTM
HYDRA-CELL[®] PRO
SEAL-LESS PUMP TECHNOLOGIES



H2S Removal - Amine injection

Location	USA	Hydra-Cell model	T100KRDTHFEPA
Type of application	Aqueous Amines in Refinery Process	Flow rate	66 l/min (17.5 gpm)
Liquid	Water Ammonia (<10%)	Pressure	180 bar (2600 psi)
Application details	A refinery in the USA was using a triplex plunger pump to handle a water-lean aqueous amine solution with 330 P/M ammonia and 136 P/M hydrogen sulphide. The plant was continually renewing pump packings and re-lining the stuffing box in its efforts to prevent leaks. The plunger pump itself has now been replaced by a Hydra-Cell T100K pump, chosen for its ability to perform the service and remain leak-free. The pump is operating at 175 rpm.		
Advantages of Hydra-Cell pump on this application	Seal-less design, with Buna diaphragms providing total isolation of liquid end of the pump from the hydraulic end.		

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