

Application story


WANNER™
HYDRA-CELL® PRO
SEAL-LESS PUMP TECHNOLOGIES



Pumping Hydrogen Sulphide

Location	Texas USA (Installation: January 2024)	Hydra-Cell model	T100MRSENNEMDS
Type of application	Injection of H ₂ S (99%) for Mercaptan Production	Flow rate	58 l/min (15.4 US gpm)
Liquid	Hydrogen Sulphide	Pressure	60 bar (841 psig)
Application details	The T100 pump is installed at a major refinery in Texas, USA and used in a process to make Mercaptan. It is running on an intermittent duty, weeks at a time. There is no washing of the fluid end before the next start up. Mercaptan, also known as methanethiol, is a foul-smelling gas that is added to natural gas. Since natural gas is colourless and odourless, mercaptan acts as an odorant to make it easier to detect. It is added as a safety measure to ensure that natural gas leaks do not go undetected.		
Advantages of Hydra-Cell pump on this application	Seal-less design ensures 100% containment of the H ₂ S		

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