

Application story


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



Diesel Driven Emergency Flush Pump

Location	Australia (Installation: March 2021)	Hydra-Cell model	Q155E
Type of application	Tailings Extraction	Flow rate	600 l/min (159 GPM)
Liquid	Paste	Pressure	103 Bar (1494 PSI)
Application details	Dynapumps, our partner in Australia, worked on a diesel-driven Emergency Flush Pump for an open pit gold operation. The skid utilises a large Hydra-Cell Q155E pump for intermittent duty which can deliver up to 600 Litres per minute at a pressure of up to 103 Bar, driven by a diesel engine which outputs 86kW at 1700rpm. During normal operation, the pump will be utilised to transport paste through sections of the underground mine and flush the line with water on completion of filling. Should operation of the pump cease during active filling (due to power outage, mechanical failure etc), the downstream reticulation will be blocked with paste material. The design requires an emergency backup pump which is capable of flushing paste from the reticulation in this scenario. This pump is being utilised as part of the Emergency Backup system.		
Advantages of Hydra-Cell pump on this application	Capable of delivering the required flow and pressure.		

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