



Diaphragm pumps for hydraulic transport

Pasminco Century Pipeline, Australia

Mining & metallurgical applications for:

- Pipeline transportation
- Mining industry
- Mining processing industry
- Power industry

Technical data:

- Pressure up to 30 MPa
- Delivery volume up to 1000 m³/h
- Drive power up to 2500 kW
- Temperature up to 220 °C

Increased efficiency, performance and reliability is guaranteed!

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Aker Wirth pumps at Pasminco Century Pipeline, Australia

Aker Wirth delivered and commissioned three piston diaphragm pumps for the Pasminco Century Project. The pumps were ordered early 1998 by CMB Joint Venture (Century-Minenco-Bechtel).

The Century base metals deposit at Lawn Hill is located approximately 250 km north-north-west of Mt. Isa in North Western Queensland, Australia. The ore is concentrated at the mine site and pumped as a slurry through a 304 km pipeline to Karumba

at the Gulf of Carpentaria. At Karumba, the slurry is dewatered before shipment to the market. Three Aker Wirth piston diaphragm pumps type TPM 8 $\frac{3}{4}$ "x14" are installed at the mine site. Each pump is able to handle a flow rate of 177 m³/h at a maximum pressure of 20 MPa.

The pumps are driven by 1300 kW electric motors with variable frequency drives. Pump installation is designed for continuous operation 24 hours a day, seven days a week. Control and operation is fully automatic with manual override and flow is steplessly controllable. Meanwhile, the pumps are pumping the slurry in batches to the port.

For further information please contact:

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