

# ABEL Product Advantages

## Key Mining Applications



# HMQ Pumps - Thickened tailings transport



# Tailings transfer - Pump Comparison

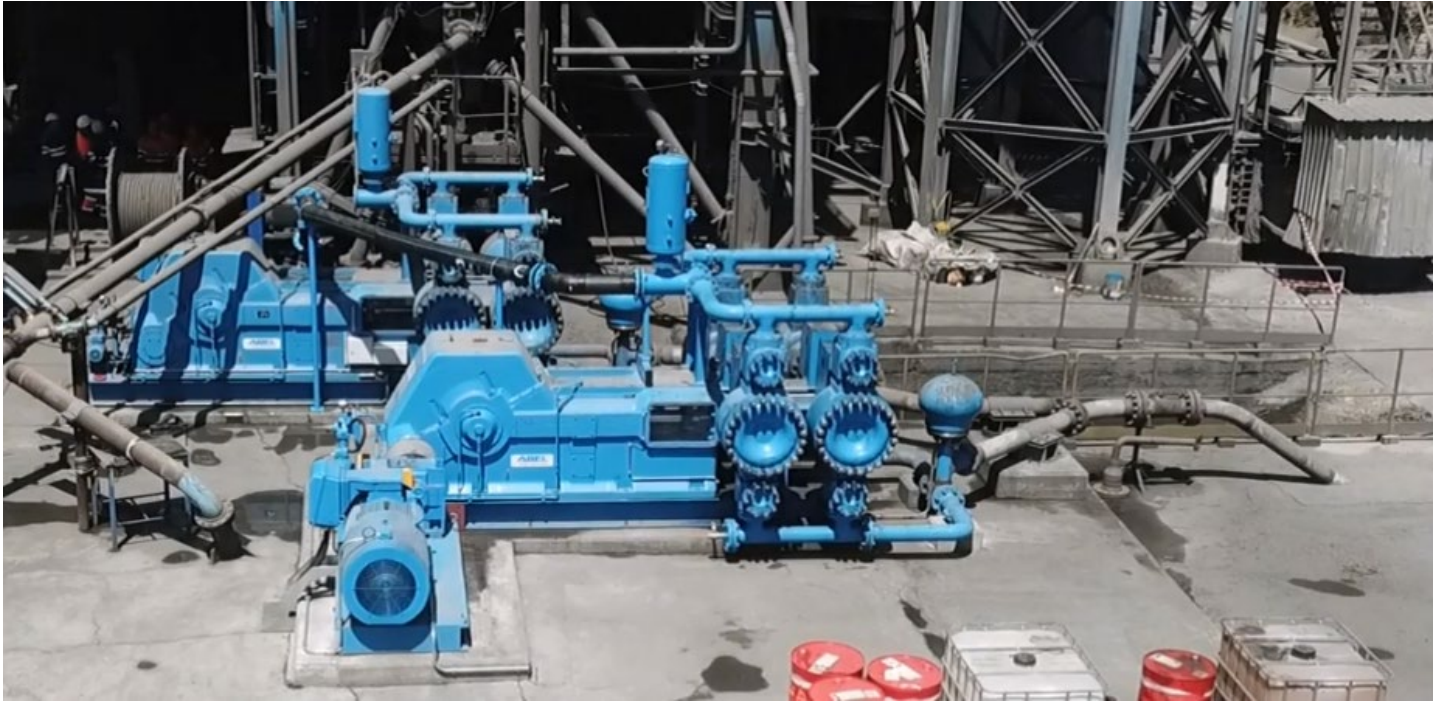
Centrifugal vs. Piston Diaphragm Technology

Piston Diaphragm Advantages

- Efficiency >80% compared to 50-70%
  - Greatly reduced energy consumption
- Slow operating speed - less wear
- Higher intervals between maintenance – increased runtime
- Constant flow independent of pressure
  - Variations in solids concentration, viscosity still result in constant flow
- Much less water consumption
  - Higher solids concentration capabilities
  - No gland seal water required



# HMQ Pumps - Paste Backfill

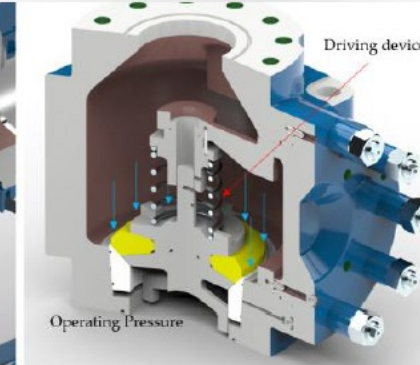
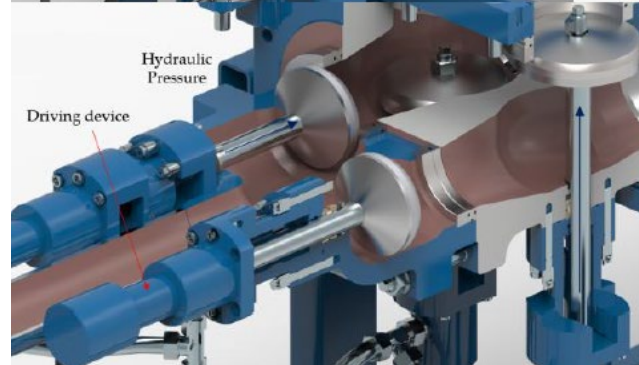
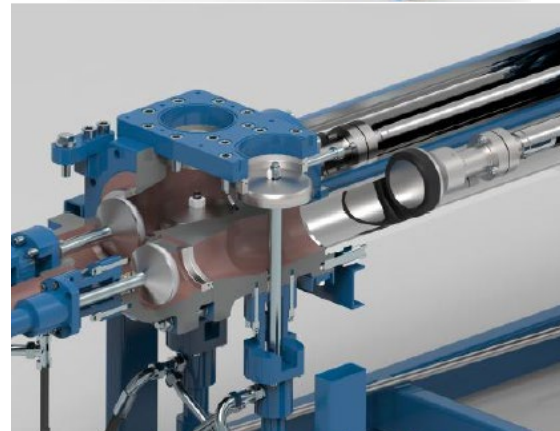
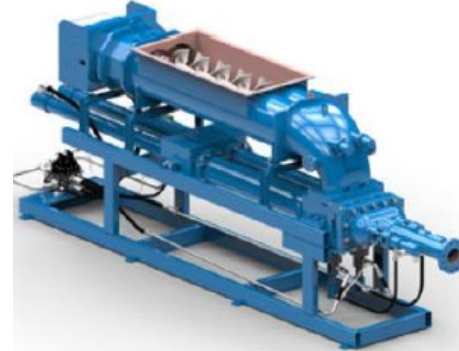


# Paste backfill – Pump Comparison

Piston vs. Piston Diaphragm Technology

Piston Diaphragm Advantages

- Less Power consumption
- No complex hydraulic control circuits
- Less wear and downtime
- Easier maintenance
- Inexpensive dampening system



# EM Pumps – Mine Dewatering

## EM Advantages

- Highly efficient – No expensive compressed air generation required
- Far less total life cycle cost
- Constant flow rate against varying viscosity and pressure
- Easily handles higher solids concentrations
- Ability to run dry
- Portability – Plug & Play operation

