

# Surface to Seam Pumping Equipment

Jennchem's surface to seam pumping system is a state of the art fully self-sufficient and automated operation. The entire operation can be relocated to a new pumping location and ready for commissioning within 2 days. The automation available with the Jennchem equipment provides the highest level of health and safety for operators.

## **Batching Station:**

- The batching station is used to dilute the product using a high shear colloidal mixer. Once diluted the product is then transferred to a holding tank to allow continuous mixing and pumping.
- The batching station is all push button controlled.

## **Delivery Pump:**

- The delivery pump is used to deliver products in volume ratio from the surface holding tanks to the underground J-Crib installation area.

## **Mobile Silo:**

- The mobile silo utilises a deductive weighing system, automatically weighing and feeding the J-Crib part A component to the batching station.
- With just the press of a button, J-Crib part A is added to the batching tank ready for dilution. This system completely removes the need for labour intensive manual loading of 20kg bags into the system.
- The mobile silo stores up to 52 tonnes of J-Crib part A.

## **19 tonne Cement Dispensers:**

- The recent addition of the 19 tonne cement dispensers creates the ability to pump various single and 2 component Jennchem grouts, including J-Plug, J-Seal and backfill grouts used to fill UIS holes, plug seals and cavity filling applications.

## **Water Storage Tank:**

- The trailer mounted ISO Tank stores up to 48,000 litres of either water or J-Crib part B ready for mixing.
- The tanks are insulated and have built in temperature gauges and pressure relief valves to assist in quality control and operation.

## **Other Site Resources:**

- A trailer mounted diesel generator powers the pumping platform, mobile silo and site office. The generators large built in fuel tank allows for 10 shifts of operation without the need to refuel.
- A trailer mounted diesel compressor powers the double diaphragm pumps which are utilised for the pumping of water and silicate.
- A 3.5 tonne all terrain diesel forklift provides mechanical aid during the initial site setup and is used to move materials to the pumping platform during operation.
- The portable site office provides an air-conditioned office, lunch room and parts storage facility for the surface operations personnel.