

LSM Pumps & Mining Applications

Thickener underflow



Challenge: The typical error using conventional centrifugal or screw pump flow is leakages, short uptime before overhaul or repairs. Challenges for centrifugal pump is they easy block or jam as the solids settle inside the pump when its turned off, leaking seals and bearing can be time consuming and expensive. Screw pumps are a cost effective investment, but also have the shortest life span due to narrow tolerances.

Solution Highlights

LSM pump does not have friction seals, and the hose is the only wetted part. When it comes to changing the hose it's simple and very cost effective compared to refurbishment of a centrifugal or screw pump – hose replacement can be done on site and typically within one hour, no special tools or special training is needed and can be done by site personnel.

The LSM 100 pump can run with a Variable Frequency Drive to being able to adjust federate, this also give the option to reverse the flow direction if there is a need to unblock rates or valves.

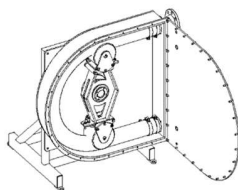
Competing pumps typically need a 30-37kW motor, whereas the LSM only need 15kW motor to do the same job and still pump up to 80% solids.

The LSM pump

LSM have a minimum requirement in regards to installation. Due to the slim design, it can easy be adapted to other installations and outdoors.

Markets easiest pump to maintain – no special tools or special training is required.

Replacement of a hose: open the hinged door and you have free access



Technical advantages

- Its self-priming – high suction capacity
- Sealed construction and no backflow
- Solid and larger objects can pass
- Suitable for high viscosity and dry matter content
- Reversible rotation
- Easy to fit or adapt to other applications in a production line.
- Multiple ad on for the LSM Pump: temperature/pressure and leak detection sensors, Variable frequency drives to fit any PLC, dampeners and much more