Equipment Data Sheet

PH BORNEO SDN BHD (1087707-K)

Sludge Extraction System

PHB's vacuum sludge extraction system is used inside the tank for the extraction of sludge. The Vacuum extractor is assembled inside the tank and can easily be moved around.

The system is mobile is preferably be used inside the tank as close as possible to the sludge being removed.

The system come's complete with attachments, and operates similar as a huge vacuum cleaner. This is contradictory to mechanical systems like mechanical dosers. PHB's system removes the sludge efficiently at the source

The system also speeds-up the final cleaning of the tank. Final cleaning is usually conducted assisted by water jetting. The SES efficiently removes the watery sludge and timely mopping / drying of the tank floor is considerably reduced.

A large sludge-conditioning tank is usually installed outside the tank to collect the sludge.

TECHNICAL SPECIFICATIONS

Sludge pump: The actual pump is purchased and used in conjunction with the sludge conditioning tank.
Capacity: 15 M3/Hr
Bowl diameter: 530 mm Oil Sludge: 15-20 M3/Hr

Power consumption: Air driven

Air consumption: 280 scfm @ 8 Bar

Weight of the system: 200 KG

Discharge: Sludge is discharged via a 4" hose, easily extendable.

Pre-conditioning Tank: A vertical tank is usually positioned in the vicinity of the manhole.

Injection of Chemicals: Usually we do not use chemicals. A biological degreaser might be used.

Grounding: All systems are grounded and any hoses used are so called "Continuous".

Lifting arrangements: All equipment is fitted with certified lifting lugs and clearly marked (Size & weight).

SPECIAL FEATURES

The vacuum extractor can be used for general pumping purposes as well

The unit is fully Ex-Proof.

System installed on two wheels to enable easy maneuvering by the operator.

The unit comes together with various attachments, so even the most harden sludge can be removed efficiently.

The same tank forms part of the sludge volume reduction system if the clients opts for this solution.

PHB will always provide the SMDS sheets for any chemicals being used.

Only one light air hose is required compared to heavy hydraulic hoses with doser systems.

All pressurised components are certified.

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