

Sludge Extraction System

PHB's Sludge Extraction System (SES) consist of the following main components:

- Diesel driven Hydraulic Pump for generating the hydraulic power in a crash frame.
- Hydraulic Lobe Pump; standard sizes are 3", 4" and 6", for up to 250 m³/hr capacity @ 4 Bar.
- Hydraulic hoses. Standard supplied is up to 20 m. Additional can be provided.
- Rubber discharge and suction hoses. Hoses are electrical continuous. Two hoses (6 m) will be provided and additional hoses can be rented.

The hydraulic pumps are suitable for the pumping of most hydrocarbon and volatile products due to the lack of electrical components.



TECHNICAL SPECIFICATIONS

Diesel driven Hydraulic Power Pack: Diesel engine and Hydraulic Pump are fitted in a skid / crash frame. Capacity 78 KW.

Hydraulic Lobe Pump: Hydraulic lobe pumps can be provided up to 250 m³/hr capacity. Up to two pumps can be connected to the hydraulic power pack.

Hydraulic Hoses: PHB provide standard for up to 20 m the hydraulic hoses (20 m pressure and 20 m return hoses). Additional hoses can be rented.

Suction Hoses: Standard 2 pcs rubber Continuous hoses, 6 m length are provided. Additional hoses, piping can be provided upon request.

Discharge Hoses: Standard 2 pcs rubber Continuous hoses, 6 m length are provided. Additional hoses, piping can be provided upon request. Suction and discharge hoses can be exchanged. It should emphasized to maintain the suction line as short as possible to obtain the maximum pumping efficiency.

SPECIAL FEATURES

The diesel engine is fitted with a spark arrestor .

The hydraulic hoses provided have special couplings to prevent spillage of the hydraulic fluid.

The rubber rotor of the pump can be easily replaced with a special material one like Viton rubber.

Hoses are connected with special connectors

Depending on the pump size; hoses are provided in 3", 4" or 6" diameter.

All suction and discharge hoses are of the "continuous" rubber type. No plastic hoses are used.

Each hose is provided with special couplings to prevent that the connection leaks or breaks.

PHB has a well-developed Routine Maintenance and Inspection system. A pre-job inspection check-list has to be completed before the trailer can be started.

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