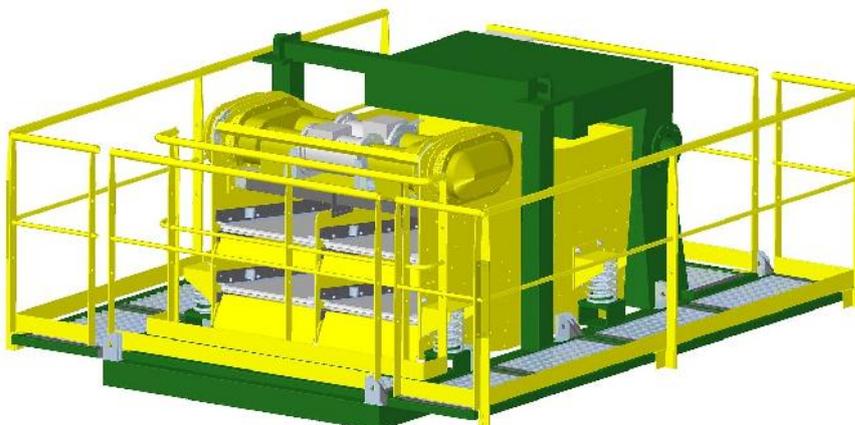


DD80 MUD CLEANER

The DD80 mud cleaner is PSD's compact, high performance mud cleaner, designed for the small diameter drilling / civil engineering market, for use on top of a tank. The unit uses the latest generation double deck shaker, the same type as used in the PSD's SU300DP desilters, mounted on a hollow section steel frame with a mud feed chute and includes folding side platforms with handrails, 3 phase compressor used for inflating the screen clamping bladders, electrical controls and 15m of power cable. The DD80 can process up to 80m³/hr of low viscosity mud and can separate up to 15 tonnes/hr of suitably sized solids. Throughput mud capacities and solids separation quantities are reduced when finer screens are fitted.

The shaker is a high performance, linear motion, double deck unit with 2 No. 4kW VEM motors. The upper and lower decks on the DD80 each use 4 No. pre-tensioned stainless steel screen panels, each 688mm wide by 878mm long with pneumatic screen clamping. The upper deck is usually fitted with screens of 52 mesh for the removal of gravels and coarse sands and the lower deck with finer mesh screens of 120 to 250 mesh for removal of medium to fine sands and some silts. The time required to change



a set of screens with this clamping system is usually just a few minutes and this facility is of great benefit as the use of the appropriate mesh screen allows the operator to obtain optimum performance from the machine in differing ground conditions.

Throughput of the unit will depend upon solids content, solids size, mud viscosity and rheology but in civil engineering applications using bentonite based muds flowrates of up to 80m³/hr and solids removal rates of up to 15 tonnes/hour can be achieved. Flowrate throughput depends upon screen aperture size. For very fine screens the flowrate may be reduced. Screens of 165 mesh or finer can remove sand sized particles thereby providing very efficient cleaning.

The DD80 is ideally suited to cleaning muds for applications such as compensation grouting and small diameter directional drilling.

TECHNICAL DATA:

Power:	Running current:	380 to 415V, 50Hz, 3 phase and earth.
	Full load current:	18A per phase.
	Starting current:	120A.
	Generator:	A 60kVA generator would normally be suitable to run this machine.
Overall size:	Power cable:	The unit is supplied with a 15m wire armoured power cable.
	For transport:	3800x2000x1720mm high.
	For use:	3800x3300x1720mm high plus tank.
Weight:	For transport:	4.3 tonnes.
Process capacity:	Up to 80m ³ /hr with low viscosity fluids.	
Solids removal rate:	Up to 15 tonnes/hr of suitably sized solids.	
Mud feed:	6" flanged inlet that can be fitted with other connectors to suit the client's requirements.	
Solids discharge:	From upper & lower decks at the front of the machine onto ground or into skip of client's supply.	
Noise emissions:	65dB at 5m.	