

SU8DP DESILTER

The SU8DP is a compact de-silter. The name **SU8DP** is derived from **S**upplementary **U**nit with **8** No. hydrocyclones and a **D**ischarge **P**ump. The unit is most often used downstream of a primary shaker, a desander or a SUPERCLEAN machine. The SU8DP comprises two modules, a shaker module and a pump tank module. The two parts fix together for transport and form a unit that is the same size as a standard 20 foot freight container; the overall size is 6058 x 2438 x 2591 high. The unit is fitted with twistlocks for ease of transport and handling on site. The weight of the complete machine is 11 Tonnes. The shaker module weighs 5 tonnes and the pump tank module weighs 6 tonnes. For operation the shaker module is mounted above the pump tank module and the working footprint is then 3.5 metres by 2.5 metres, with an overall height of 5.2 metres. The solids discharge is on the front 3.5 metre face. Access to the pumps and pipework is at the rear 3.5 metre face. No side clearance is required.

The shaker module has feed pipework to a bank of 8 No. 5" high performance hydrocyclones set over a VSM100 linear motion dewatering shaker, fitted with pretensioned screen panels with apertures to suit the mud conditions. There is also a fold down platform that provides access to the front of the shaker for screen changing and maintenance.

The pump tank module houses a Svedala 150x100 centrifugal pump with 30kW overhead motor used to supply fluid to the hydrocyclones. Also mounted in the unit is another Svedala 150x100 pump with 30kW motor. This is used to transfer the processed fluid away from the machine. Both motors for these pumps have star delta starting. The pump tank module also has a stores compartment with a small compressor and electrical control equipment, mounted within that compartment.



TECHNICAL DATA

Transport size:	6058x2438x2591mm high. The machine can be transported as a standard container.	
Weight:	11 tonnes, complete with twistlock fasteners at standard dimensions.	
Shaker module weight:	5 tonnes.	Pump tank module weight: 6 tonnes.
Operating size:	3500x2500x5200mm high.	Operating weight: 17 tonnes (including fluid).
Power:	380-415V, 50Hz, 3-phase & earth, no neutral required.	
Generator:	Normally a 125KVA generator would be required.	
Running current:	Up to 130A.	Starting current: 245A per phase.
Hydrocyclone feed pump:	Svedala 150x100 centrifugal with 30kW motor with star-delta starting.	
Discharge pump:	Svedala 150x100 centrifugal with 30kW motor with mechanically variable speed control and star-delta starting.	
Shaker:	2 No. 2kW motors with Direct-On-Line starting.	
Compressor:	3 kW motor with Direct-On-Line starting.	
Lighting & small tools:	1 No.220V, 3kW, single phase transformer.	
Other:	2 No. 32A, 3 phase auxiliary sockets.	
Fluid throughput capacity:	Up to 180m ³ /hr of fluid with a Marsh Funnel viscosity of less than 100 seconds per U.S. Quart.	
Solids removal rate:	Up to 18 tonnes/hr of coarse to medium sand. Lower solids removal rates are achieved when the equipment is fitted with small aperture screens used for fine sands or silt removal..	
Noise emissions:	70dB at 5m.	