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Specialist equipment to separate solids from liquids worldwide

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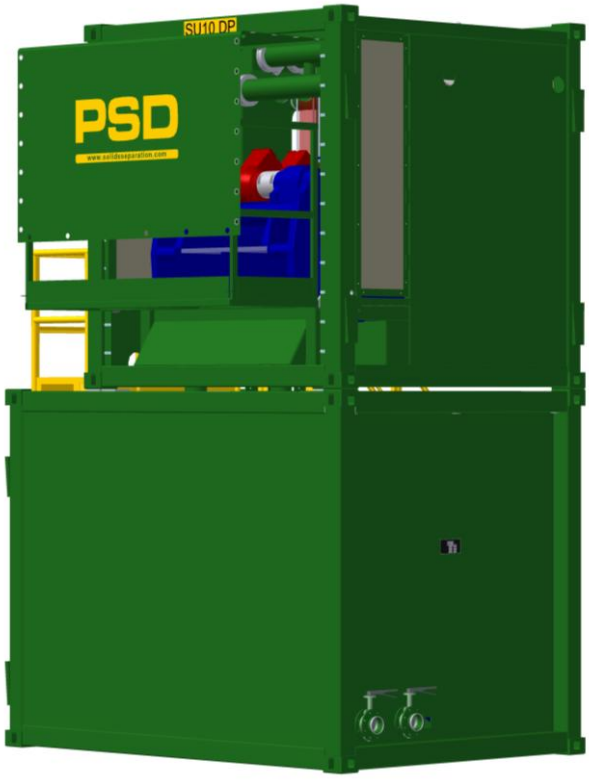
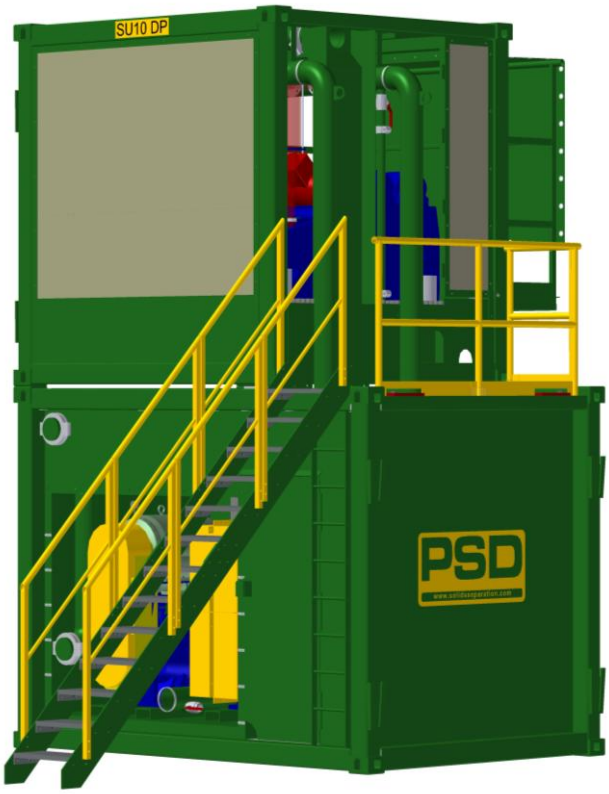
SU10DP DESILTER

The SU10DP is a high-performance, single stage, compact desilter, with integral discharge pump. It is designed to work downstream of desanding equipment, and can be used in a wide variety of applications in the civil engineering industry for the removal of fine material, helping to prolong the life of drilling fluid. Featuring 10 No. 5" long-bodied desilting hydrocyclones, the SU10DP can handle flowrates of up to 250m³/hr, and will separate sands and some silts. The high-speed linear motion shaker is fitted with pre-tensioned woven stainless steel wire screens, which are quickly interchangeable and are available in a variety of aperture sizes, allowing the SU10DP to adapt easily to cope with a broad range of ground conditions.





TECHNICAL DATA

Maximum fluid throughput capacity:	250m³/hr (of slurry having a Marsh Funnel viscosity of less than 70 seconds per U.S. Quart).
Maximum solids removal rate:	20t/hr
Separation:	10 No. 5" diameter long-bodied desilting hydrocyclones, with the underflow partially dewatered by the shaker, for the separation of medium/fine sand and some silt.
Shaker:	High speed, elliptical motion, partially inclined single deck VSM300 shaker mounted on isolation springs. Quickly interchangeable screens with pneumatic clamping system.
Shaker screens:	4 No. interchangeable pre-tensioned woven stainless steel wire screens (API 100, API 140 or API 170 options available to suit prevailing ground conditions). Total screen area: 2.21m² (1.3m wide by 1.7m long)
Transport size:	1 No. unit 6058x2438x2591mm (1CC container size), complete with ISO corner castings.
Weight (dry):	12 tonnes total comprising: pump tank at 6 tonnes, shaker module at 6 tonnes.
Operating weight (wet):	Up to 17 tonnes.
Operating size:	3500mm (L) x 2500mm (W) x 5200mm (H), plus staircase if required.
Access to shaker module:	Via external staircase.
Power:	83kW installed power running at 380-415V, 50Hz, 3 phase and earth (no neutral required).
Estimated running current:	102A per phase.
Estimated starting current:	226A per phase.
5" hydrocyclone feed pump:	Metso HM150 centrifugal, with overhead mounted star/delta started 45kW motor.
Discharge pump:	Metso HM150/MM200 centrifugal, with overhead mounted, inverter controlled, 30kW motor.
Shaker motors:	2 No. 3kW motors with inverter control.
Compressor:	1.1kW with 50L receiver and direct-on-line starting.
Noise emission:	70 dB at 5m.

Specification subject to change without notice. E&OE.