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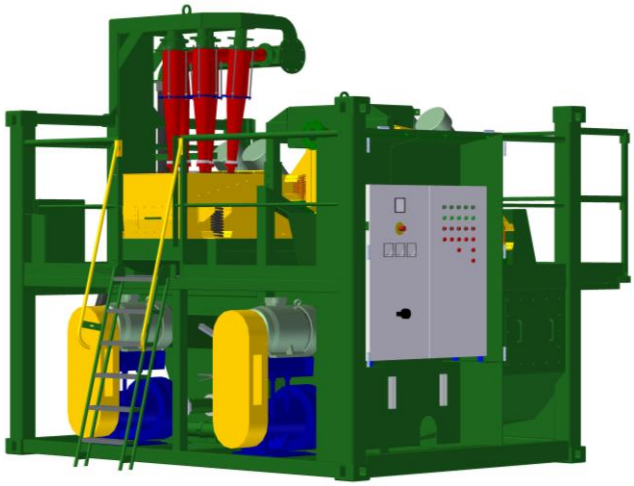
Specialist equipment to separate solids from liquids worldwide

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SUPERCLEAN® 100DP

The SUPERCLEAN® 100DP is a compact desander/desilter with a small footprint and low headroom requirements, making it particularly suitable for sites where space and working height are restricted. Designed for smaller-scale applications, the system is ideally suited to small-to-medium diameter piling operations and the handling of process fluids returned during concreting operations. Its simple, user-friendly design allows for exceptionally quick and easy installation, offering a practical and efficient solution where space, accessibility and ease of operation are key considerations.





TECHNICAL DATA

Maximum fluid throughput capacity:	100m³/hr (of slurry having a Marsh Funnel viscosity of less than 70 seconds per U.S. Quart).
Maximum solids removal rate:	Up to 10t/hr on the primary shaker and 9t/hr on the secondary shaker depending on the characteristics of the solids.
Stage 1:	Dirty fluid is fed onto the top deck scalping screen of the primary shaker. The fluid and passing solids then fall directly onto the lower, smaller-aperture scalping screen. This scalping shaker is used for the separation of gravels, timber and cohesive clay balls.
Stage 3:	5 No. 5" diameter long-bodied desilting hydrocyclones, with the underflow partially dewatered by the secondary shaker, for the separation of fine gravels, sand and some silt.
Primary shaker:	Linear motion, steeply declined, double deck shaker, mounted on isolation springs.
Primary shaker top deck screens:	1 No. In-flow 5mm aperture stainless steel wedge wire hook strip screens. Total screen area: 0.83m² (0.7m wide by 1.2m long)
Primary shaker bottom deck screens:	1 No. woven wire 9-mesh (aperture approx. 2mm) hook strip screens. Total screen area: 0.83m² (0.7m wide by 1.2m long)
Secondary shaker:	High speed, linear motion, horizontal single deck shaker mounted on isolation springs.
Secondary shaker screens:	2 No. steel framed 500µ stainless steel, cross flow, wedge wire screens. Total screen area: 0.90m² (0.6m wide by 1.5m long)
Transport size:	1 No. unit at 3650mm (L) x 2438mm (W) x 2700mm (H)mm high, complete with ISO corner castings.
Weight (dry):	7 tonnes (approx.)
Operating weight (wet):	Up to approx. 12 tonnes, depending on the density of the process fluid.
Total tank volume:	2.60m³ (approx.)
Discharge tank volume:	0.80m³ (approx.)
Operating size:	4250mm (L) x 3750mm (W) x 3400mm (H), including steps & platform.
Access to shaker module:	Via external steps.
Power:	48kW installed power running at 380-415V, 50Hz, 3 phase and earth (no neutral required).
Estimated running current:	58A per phase.
Estimated starting current:	196A per phase.
5" hydrocyclone feed pump:	Metso HM100 centrifugal, with overhead mounted, soft started, 22kW motor.
Discharge pump:	Metso HM100 centrifugal, with overhead mounted, inverter controlled, 22kW motor.
Primary shaker:	2 No. 0.51kW motors with direct-on-line starting.
Secondary shaker:	2 No. 0.51kW motors with direct-on-line starting.
Noise emission:	74 dB at 5m.

Specification subject to change without notice. E&OE.