



Dewatering Screen

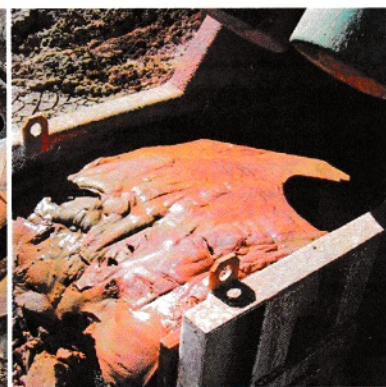
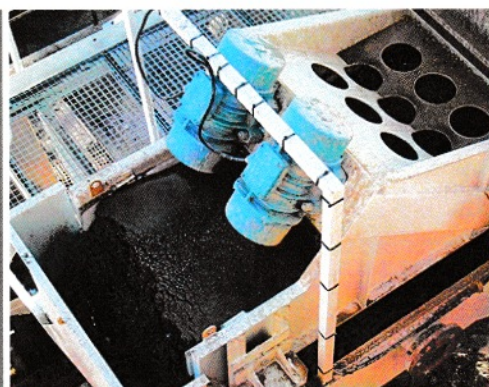


ERAL
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DEWATERING SCREENS

are high frequency/low amplitude screens with the deck inclined upwards towards the discharge end. They are used for sand dewatering, to reduce the moisture content of sands and to filter out very fine particles and silt. The removal of contaminants, such as silt, yields excellent concrete sands, with the added advantage of eliminating the cost of transporting water, and any water leakage onto roads.

Eral UK
PO Box 229
Unit 5c Tweed Road
Clevedon, North Somerset
BS21 9AL
Tel: +44 (0)1275 341444
sales@eral-uk.com
www.eral-uk.com



Dewatering Screens reduce water content in the final product to a minimum value, depending on the characteristics of the sand and its natural water absorption coefficient or degree of saturation. Eral UK offers a wide range of equipment sizes, in order to achieve high product quality expectations from operators.

CONSTRUCTION

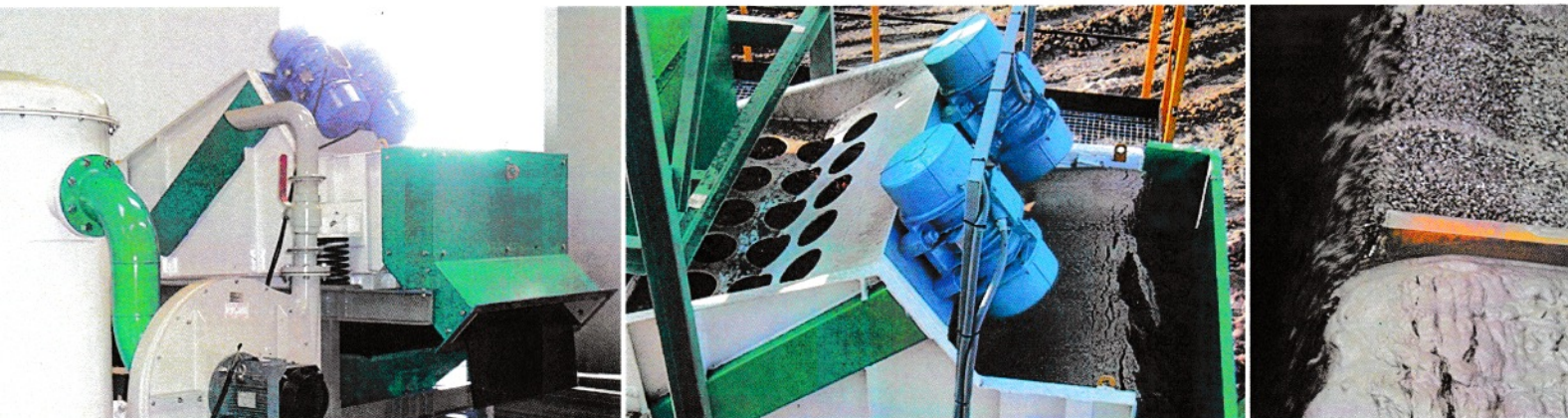
The trough is fabricated from mild steel, with protective paint, forming a highly rigid, non-deformable assembly. Its side walls are protected by replaceable abrasion-resistant panels. The Filter Media uses modular polyurethane or stainless steel panels, with trapezoidal cross-section mesh aperture to prevent slot blocking, resulting in a large and effective filtering area. There are additional panels in the rear of the trough for improved filtration. The Drive System consists of twin adjustable motor-vibrators for linear high-frequency and low amplitude vibration to achieve optimum filtration.

DEWATERING SCREENS WITH VACUUM SYSTEM

When it is necessary to achieve the minimum moisture content in the final product, the dewatering screens may be fitted with a built-in negative pressure vacuum system.

Type	Width mm	Length mm	Weight kg	Power kW	Capacity(t/h)	
					Coarse Sand	Fine Sand
VF 12	300	1.600	355	1,1	10	5
VF 22	600	1.600	460	1,8	25	15
VF 23	600	2.400	928	3,2	35	25
VF 33	900	2.400	1.145	4,4	60	40
VF 34	900	3.200	1.572	7,2	80	55
VF 43	1.200	2.400	1.415	7,2	105	70
VF 44	1.200	3.200	2.202	12	115	75
VF 53	1.500	2.400	1.944	12	130	85
VF 54	1.500	3.200	2.449	10	170	115
VF 64	1.800	3.200	3.012	15	200	135
VF 65	1.800	4.000	3.881	18	225	150
VF 74	2.100	3.200	3.476	18	235	165
VF 75	2.100	4.000	4.584	21,2	290	200
VF 86	2.400	4.800	6.467	38	350	240
VF 87	2.400	5.600	7.072	38	350	240
VF 108	3.000	6.400	8.948	37	550	390

Capacities above mentioned are for products with s.g. of 2.65 t/m³ and solids concentration of 70 % and 85 % by weight in feed and discharge respectively. For coal applications 60% of capacity figures indicated should be applied.



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Clevedon, North Somerset. BS21 9AL
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www.eral-uk.com

