MODULAR DWS

Modular Dewatering Screen Plant

Dewatering Screen
- 5° incline dewatering screen with a single deck (7-ft [2.1 m] and 8-ft [2.4 m] lengths are 3° incline)
- Bolt-in UHMW side plate liners
- Modular urethane media #50 (0.3 mm) apertures as standard
- 6-in (152 mm) AR lined discharge lip and adjustable discharge dam
- Linear stroke with dual, adjustable stroke electric vibrators
- Base frame with coil springs

Structural support
- Steel support columns and wideflange skid runners on each side

Access
- Screen-level access platform with handrails and toeboards (fitted to LHS of screen as standard)
- Ladder from grade mounted perpendicular to the screen
- Ladder and platform can be mounted either side of the screen

Discharge Chute/Belly Pan
- Welded steel plate construction (does not include liners)
- Belly pan to collect screen throughs (does not include liners), including ANSI flange discharge and spray bar at discharge end with 2-in (51 mm) king nipple

Optional Equipment
- 6 x 3 K125 slurry pump, vertically-mounted on the RHS of the screen, centrifugal pump with rubber-lined cast iron pump case and hard alloy impeller, 10 hp (7.5 kW) electric motor (for applications with less than 500 gpm water volumes) and pump drive (does not include starters and wiring), connecting plumbing from the belly pan included, return plumbing to fine material washer NOT included
- 15 hp slurry pump motor for applications with less than 500 gpm water volumes
- Screen-level walkways on 3 sides of plant
- Stair access vs. ladder access
- ½ in (12.7 mm) plug-welded urethane liners for the screen overs chute and belly pan
- ¼ in (6 mm) AR400 liner for the screen overs chute and belly pan
- Chase water saving option - pipework to direct screen throughs from slurry pump into the chase water channel
- Feed chute to direct material from fine material washer onto dewatering screen (does not include liners)
- ¼ in (6 mm) AR400 lined feed chute to direct material from fine material washer onto dewatering screen
- Leg extensions to raise fine material washer to the correct height to feed onto the dewatering screen

Physical/Operating Characteristics

Model	Dewatering Screen Size		Power Required		Capacity*		Dewatering Screen Feed in Height		Chute Discharge Height		Approximate Total Load	
			Imperial	Metric	Imperial	Metric	Imperial	Metric	Imperial	Metric	Imperial	Metric
	ft	m	hp	kW	TPH	MTPH	in	m	in	m	lb	kg
4′	4′ 10″	1.47 m	4.7x2	3.5x2	144	131	122	3.1	55	1.4	15,317	6,948
5′	5′ 13″	1.85 m	8.4x2	6x2	216	196	122	3.1	55	1.4	22,885	10,380
6′	6′ 13″	2.16 m	9.4x2	7x2	259	235	122	3.1	55	1.4	23,925	10,852
7′	7′ 16″	2.54 m	11x2	8x2	353	320	145	3.68	55	1.4	38,254	17,352
8′	8′ 16″	2.84 m	12.7x2	9.5x2	403	366	145	3.68	55	1.4	40,934	18,567

**Capacity dependent on feed and product gradation*

Dewatering Screen Capacity and Compatible Fine Material Washer Model

Dewatering Screen		Single Screw/Split Twin			Twin Screw		
Model	TPH	50%	75%	100%	50%	75%	100%
4′	144	N/A	44″	36″	44″	36″	N/A
5′	216	N/A	54″	44″	54″	44″	36″
6′	259	N/A	N/A	54″	54″	44″	36″
7′	353	N/A	N/A	60″	60″	54″	44″
8′	403	N/A	N/A	66″	66″	54″	44″

Note: Consult factory for exact dimensions, specifications are subject to change without notice.