



AGGREDRY® DEWATERING WASHER

Fine Material Washer with Integrated Dewatering Screen Produces a Drier Finished Sand



AS LOW AS 8% MOISTURE CONTENT

FEATURES

- » Fine material screw and dewatering screen in single package
- » Produce material with moisture content as low as 8%
- » Dry material reduces carryback and maintenance on conveyors
- » Patented fines recovery system saves 3% from waste pond

APPLICATIONS

- » Wash silts from feed
- » Dewater wet/slurry material
- » Salt/brine reclamation
- » Fine screw application



Rock Face to Load Out®



Patented Technology

FEATURES



01/ CURVED BELLY PAN

Eliminates dead spots for material to gather common to 90° angles.

02/ SAFEGUARD OUTBOARD BEARING

Off-the-shelf pillow block bearing installed outside tank for protection and easy maintenance. (Not shown)

03/ ADJUSTABLE WEIR PLATE

Encourages overflow water to level, which maximizes fines retention.

04/ LOAD ZONE BAFFLE

Calms water to help maximize fines retention.

05/ URETHANE WEAR SHOES

Manufactured with internal steel plate to hold up in harsh applications. Gives it more rigidity, keeps it from flopping and wearing quicker.

06/ PATENTED FINES RECOVERY

Ultrafines collect in underflume and is returned to screw. Saves 3% of fines from reaching waste pond.

07/ FINE MATERIAL SCREW

Accepts feed up to 3/4" (19mm) while removing unwanted fines in sand.

08/ INTEGRATED DEWATERING SCREEN

Unique sidewall media encourages water to drain from top and sides, which produces drier product.

09/ SCREEN SIDEWALLS

A deeper bed depth and urethane sidewalls remove more water for output as low as 8% moisture.

OPTIONS

TWIN SCREW

A-532 WEAR SHOES

FOLDING WING WALLS

ROAD PORTABLE PACKAGE

MATERIAL DISCHARGE CHUTE

REDUCED SCREW SPEED

SAFETY COVERS

ROCK GRADE RUBBER WEAR SHOES

SKID FRAME

HIGHLIGHTS



03/ ADJUSTABLE WEIR PLATE



04/ LOAD ZONE BAFFLES



06/ PATENTED FINES RECOVERY SYSTEM



09/ SCREEN SIDE WALLS


PORTABLE AGGREDRY® WASH PLANT




Rock Face to Load Out®



SPECIFICATIONS



	Screw Size inch (mm)	Capacity TPH (MTPH)	Screw Speed RPM	Max Material Size inch (mm)	Auger Motor Size HP (kW)	Vibrating Motor Size HP (kW)	Water Capacity GPM (m ³ /hr)		
							100 Mesh*	150 Mesh*	200 Mesh*
SINGLE SCREW									
	24" (609)	50 (45)	32	3/4" (19.0)	7.5(5.5)	8.05 (6.0)**	700 (159)	330 (74)	180 (40)
	36" (914)	100 (90)	20	3/4" (19.0)	15 (11.0)	8.05 (6.0)**	1,100 (249)	525 (119)	250 (56)
	48" (1,219)	200 (181)	16	3/4" (19.0)	25 (19.0)	11.40 (8.5)**	2,200 (499)	1,050 (238)	600 (136)
	60" (1,524)	300 (272)	13	3/4" (19.0)	40 (30.0)	12.61 (9.5)**	2,600 (590)	1,300 (295)	700 (159)
	66" (1,676)	400 (362)	13	3/4" (19.0)	50 (37.0)	16.00 (12)**	2,880 (654)	1,440 (327)	720 (163)
*(2) Two vibratory motors per washer									

TWIN SCREW									
	48" (1,219)	400 (362)	16	3/4" (19.0)	two 25 (18.0)	11.40 (8.5)*	3,700 (840)	1,800 (408)	975 (221)
	60" (1,524)	600 (540)	13	3/4" (19.0)	two 30 (22.0)	12.61 (9.5)*	4,500 (1,022)	2,200 (499)	1,200 (272)
	66" (1,676)	800 (725)	13	3/4" (19.0)	two 50 (37.0)	16.00 (12)*	4,800 (1,090)	2,400 (545)	1,300 (295)
* 100 Mesh (150 µm), 150 Mesh (113 µm), 200 Mesh (75 µm). ***(4) Four vibratory motors per washer.									

FINES RECOVERY PROFIT CALCULATOR



SUPERIOR'S PATENTED FINES RECOVERY SYSTEM

Input values matching your plants specific data to calculate additional annual profit from fines recovery.

X

3%

 = X X =

Tons Per Day of Wet Sand ProductionSaved From Waste PondAdditional Saleable TonsCost Per TonProduction Days in a YearAdditional Annual Profit