

ALLIANCE™ LOW WATER WASHER

Accepts Dry Feed From Crushing Circuit to Produce Sellable Manufactured Sand



AS LOW AS 8% MOISTURE CONTENT

FEATURES

- » Agitator and dewatering screen in a single package
- » Accepts dry feed directly from crusher circuit
- » No costs associated with hauling material to a separate wash site
- » Uses significantly less water than traditional screw

APPLICATIONS

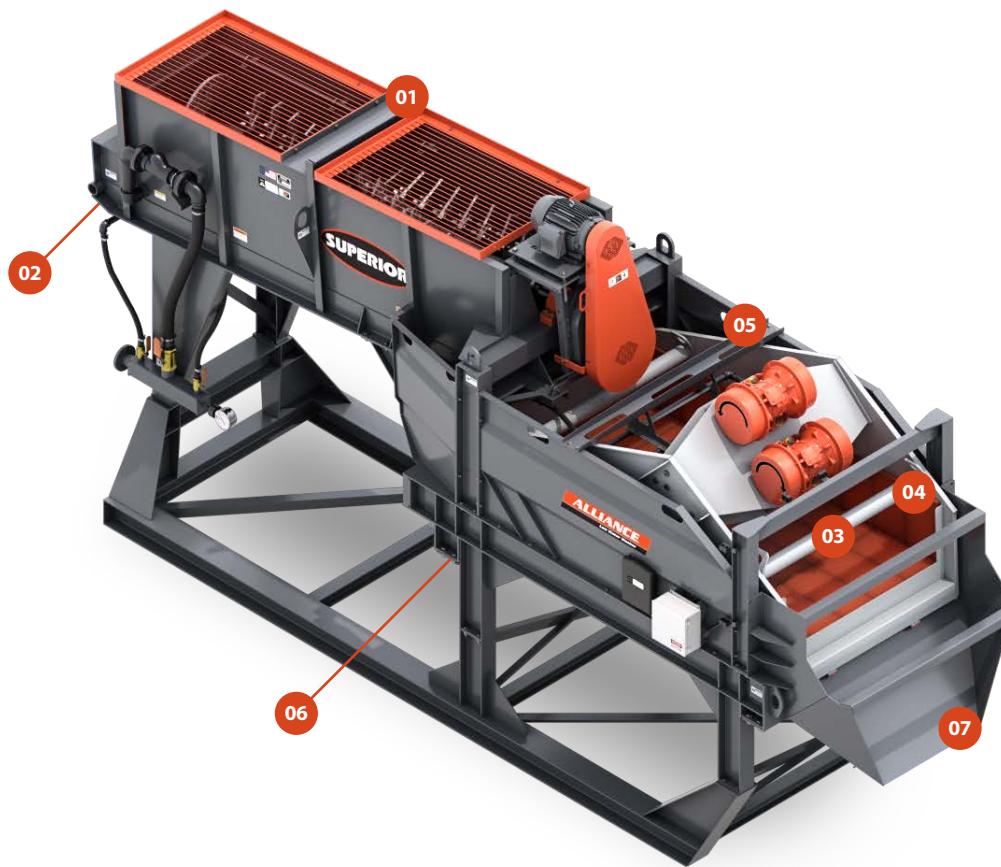
- » Turns tailings into a salable manufactured sand
- » Washes crusher dust next to crushing circuit



Rock Face to Load Out™

 Patent Pending

FEATURES



01/ AGITATOR SECTION

Takes dry feed and turns it into a slurry. Shaft with paddles and water manifold mixes.

02/ SAFEGUARD OUTBOARD BEARING

Off-the-shelf pillow block bearing installed outside tank for protection and easy maintenance.

03/ INTEGRATED DEWATERING SCREEN

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

04/ SNAP SCREEN MEDIA

50 mesh (297 micron) urethane screen media needs a mallet for install and screwdriver to removal.

05/ SPRAY BARS

Light mist spray bars mounted at screw discharge and mid-deck on screen to wash out fines.

06/ REMOVABLE UNDERFLUME

Includes flanged discharge pipe.

07/ DISCHARGE CHUTE

Centers material for accurate and targeted discharge.

OPTIONS

FLOW VALVE

WALKWAY

SKID FRAME SUPPORT STRUCTURE

FLOW METER

SAFETY COVERS

FEATURES



01/ AGITATOR SECTION



02/ SAFEGUARD OUTBOARD BEARING



05/ SPRAY BARS



06/ REMOVABLE UNDERFLUME



URETHANE SIDEWALL MEDIA



FLOW METER AND VALVE

SPECIFICATIONS

	Capacity TPH (MTPH)	Material Size inch (mm)	Screen Size ft (m)	Screw Size in x ft (mm x m)	Horsepower* HP (kW)	Est. Water Consumption GPM (m ³ /hr)	Screen Area ft ² (m ²)	Vibrating Motor HP (kW)
ALLIANCE LOW WATER WASHER								
ALWW-100	100 (90)	1/2" minus (13)	4 x 10 (1.2 x 3.0)	30 x 12 (760 x 3.5)	38 (28)	200 (45)	40 (3.5)	(2) 7.5 (5.5)
ALWW-200	200 (181)	1/2" minus (13)	5 x 10 (1.5 x 3.0)	30 x 12 (760 x 3.5)	38 (28)	300 (68)	50 (4.5)	(2) 11.4 (8.5)
ALWW-300	300 (272)	1/2" minus (13)	6 x 12 (1.8 x 3.6)	36 x 12 (915 x 3.5)	46 (34)	400 (90)	72 (6.5)	(2) 12.6 (9.4)

*Combined horsepower for the entire unit

WWW2.SUPERIOR-IND.COM/PAYBACK-CALC



Alliance™ Low Water Washer Payback Calculator



System Imperial Metric

Tons per Hour (TPH)

Percent of -200 Mesh

%

② Number of Times Handled

③ Number of Miles Transported

Maximum Savings per Ton

\$0.00

Site Hours per Week

Maximum Savings per Week

\$0.00

Standard Sand Screw Water Usage

0.00 GPM (Gallons per Minute)

Alliance™ Low Water Washer Water Usage

200 GPM

GET A QUOTE

CLOSE