

The logo for Superior Industries, featuring the word "SUPERIOR" in a bold, white, sans-serif font inside a black oval with a red border.

# AGGRE-WASHER™ PORTABLE PLANT

Washing and Screening

- Simply fold the feed hopper and remove blocking for a **quick transition from operation to transport** mode. ■
- Large, water system equipped feed hopper ensures **maximum production to the screen**. ■
- Spray bars on each deck ensure **maximum material washing**. ■
- Flexible to design and manufacture** units for custom performance. ■

# FEATURES



**PORTABLE WASH PLANT**



**SEMI-PORTABLE WASH PLANT**

## FINE MATERIAL WASHER

- Single or twin models
- Flights are protected with adjustable 1" thick rubber wear shoes
- Extended shaft and slinger protects lower bearing from water leakage

## PROCESSING SCREEN

- Customer screen brand preference
- Drive motor
- Screen subframe

## SCREEN DISCHARGE CHUTE

- AR plate steel liners
- Maintenance-free service life
- Discharge directly onto conveyor

## SPRAY BARS

- Installed on each deck for maximum washing
- Valve regulated water flow rate

## WORK PLATFORM

- Large, safe area to change screen cloth, adjust spray bars and monitor operation

## WIRED FOR IMMEDIATE PRODUCTION

- Simply plug into electrical source and switch on

## WASH BASIN

- Minimal clearance between belly pan and screw shaft to accommodate smaller size aggregate
- Flush-back nozzle promotes efficient dewatering by removing stagnant sand near discharge
- Baffle, located behind load zone, calms water for better retention of fines
- Drain for easy clean out



**SINGLE OR TWIN SHAFT**



**CURVED BELLY PAN**

# OPTIONS



**AR LINED STEEL CHUTE**

- SINGLE OR TWIN SCREW CLASSIFIERS
- HORIZONTAL OR INCLINE SCREENS
- 24" - 30" REVERSIBLE CROSS CONVEYOR
- VALVE REGULATED WATER FLOW RATE



**TRIPLE AXLES ON 16' AND LARGER**

- TRIPLE AXLE ASSEMBLY
- OVERSIZE MATERIAL BLENDING GATE
- URETHANE OR A532 WEAR SHOES
- HYDRAULIC LEVELING JACKS



**ROBUST, LONG-LASTING CONSTRUCTION**

- ROLLAWAY DISCHARGE CHUTES
- 30 AMP MALE PIN AND SLEEVE PLUGS
- ADDITIONAL NO. 2 STARTER/START-STOP SWITCH
- OFF PLANT CONVEYORS

# IN-STOCK PARTS



**WEAR SLEEVE AND LOWER SEAL**

- STAINLESS STEEL WEAR SLEEVE
- HEAVY-DUTY RUBBER LOWER SEAL
- HEAVY-WALLED STEEL PIPE SHAFTS



**DRIVE COMPONENTS**

- RUBBER WEAR SHOES
- A532 AND URETHANE WEAR SHOES
- BELLY PANS



**RUBBER WEAR SHOES**

- LOWER BEARING RETROFIT KITS FOR OTHER MANUFACTURERS' WASHERS
- ELECTRIC OR HYDRAULIC DRIVE COMPONENTS

# SPECIFICATIONS

## AGGRE-WASHER™ PORTABLE PLANT – SINGLE SCREW

Screw Size in x ft (mm x m)	Capacity TPH (MTPH)	Peripheral Screw Speed FPM (MPS)	Speed RPM	Max. Material Size inch (mm)	Motor Size HP (kw)	Water Capacity - GPM (m³/sec)		
						100 Mesh	150 Mesh	200 Mesh
36" x 25' (914 x 7)	100 (90)	100 (0.5)	20	3/8" (9.5)	15 (11.0)	700 (0.04)	330 (0.02)	650 (0.04)
	75 (68)	75 (0.3)	15		10 (7.5)			
	50 (45)	50 (0.2)	10		7.5 (5.5)			
36" x 28' (914 x 8)	100 (90)	100 (0.5)	20	3/8" (9.5)	15 (11.0)	700 (0.04)	330 (0.02)	150 (0.01)
	75 (68)	75 (0.3)	15		10 (7.5)			
	50 (45)	50 (0.2)	10		7.5 (5.5)			
44" x 32' (1,117 x 9)	175 (159)	100 (0.5)	17	3/8" (9.5)	20 (15.0)	1,600 (0.10)	750 (0.04)	425 (0.02)
	130 (118)	75 (0.3)	14		15 (11.0)			
	85 (77)	50 (0.2)	10		10 (7.5)			
48" x 32' (1,219 x 9)	200 (181)	100 (0.5)	16	3/8" (9.5)	25 (18.5)	1,700 (0.10)	850 (0.05)	450 (0.02)
	150 (136)	75 (0.3)	12		20 (15.0)			
	100 (90)	50 (0.2)	8		15 (11.0)			
54" x 35' (1,371 x 10)	275 (249)	100 (0.5)	16	3/8" (9.5)	30 (22.0)	1,800 (0.11)	950 (0.05)	525 (0.03)
	210 (190)	75 (0.3)	12		25 (18.5)			
	140 (127)	50 (0.2)	8		20 (15.0)			

## AGGRE-WASHER™ PORTABLE PLANT – TWIN SCREW

Screw Size in x ft (mm x m)	Capacity TPH (MTPH)	Peripheral Screw Speed FPM (MPS)	Speed RPM	Max. Material Size inch (mm)	Motor Size HP (MT)	Water Capacity - GPM (m³/sec)		
						100 Mesh	150 Mesh	200 Mesh
36" x 25' (914 x 7)	200 (181)	100 (0.5)	20	3/8" (9.5)	(2) 15 (11.0)	1,250 (0.07)	620 (0.03)	340 (0.02)
	150 (136)	75 (0.3)	15		(2) 10 (7.5)			
	100 (90)	50 (0.2)	10		(2) 7.5 (5.5)			
36" x 28' (914 x 8)	200 (181)	100 (0.5)	20	3/8" (9.5)	(2) 15 (11.0)	1,250 (0.07)	620 (0.03)	340 (0.02)
	150 (136)	75 (0.3)	15		(2) 10 (7.5)			
	100 (90)	50 (0.2)	10		(2) 7.5 (5.5)			
44" x 32' (1,117 x 9)	350 (317)	100 (0.5)	18	3/8" (9.5)	(2) 20 (15.0)	2,800 (0.17)	1,400 (0.08)	675 (0.04)
	260 (235)	75 (0.3)	14		(2) 15 (11.0)			
	170 (154)	50 (0.2)	10		(2) 10 (7.5)			

# SPECIFICATIONS

AGGRE-WASHER™ PORTABLE PLANT – HORIZONTAL SCREENS								
Screw Diameter inch (mm)	Screen Length ft. (m)	Peripheral Screw Speed FPM (MPS)	Speed RPM	Max. Material Size inch (mm)	Motor Size HP (kw)	Water Capacity - GPM (m³/sec)		
						100 Mesh	150 Mesh	200 Mesh
36" (914)*	12' (3.6)	200 (1.0)	20	3/4" (19)	15 (11.0)	700 (0.04)	330 (0.02)	160 (0.01)
36" (914)*	16' (4.8)	200 (1.0)	20	3/4" (19)	15 (11.0)	700 (0.04)	330 (0.02)	160 (0.01)
36" (914)**	20' (6.0)	200 (1.0)	20	3/4" (19)	15 (11.0)	700 (0.04)	330 (0.02)	160 (0.01)
44" (1,117)	16' (4.8)	200 (1.0)	17	3/4" (19)	20 (15.0)	1,600 (0.10)	750 (0.04)	425 (0.02)
(2) 36" (914)	16' (4.8)	200 (1.0)	20	3/4" (19)	(2) 15 (11.0)	1,250 (0.07)	620 (0.03)	340 (0.02)
(2) 36" (914)	20' (6.0)	200 (1.0)	20	3/4" (19)	(2) 15 (11.0)	1,250 (0.07)	620 (0.03)	340 (0.02)
(2) 44" (1,117)	16' (4.8)	200 (1.0)	17	3/4" (19)	(2) 20 (15.0)	2,800 (0.17)	1,400 (0.08)	675 (0.04)
(2) 44" (1,117)	20' (6.0)	200 (1.0)	17	3/4" (19)	(2) 20 (15.0)	2,800 (0.17)	1,400 (0.08)	675 (0.04)

  

AGGRE-DRY® PORTABLE PLANT – HORIZONTAL SCREENS								
Screw Diameter inch (mm)	Screen Length ft. (m)	Peripheral Screw Speed FPM (MPS)	Speed RPM	Max. Material Size inch (mm)	Motor Size HP (kw)	Water Capacity - GPM (m³/sec)		
						100 Mesh	150 Mesh	200 Mesh
36" (914)	12' (3.6)	200 (1.0)	20	3/4" (19)	15 (11.0)	700 (0.04)	330 (0.02)	160 (0.01)
36" (914)	16' (4.8)	200 (1.0)	20	3/4" (19)	15 (11.0)	700 (0.04)	330 (0.02)	160 (0.01)
36" (914)	20' (6.0)	200 (1.0)	20	3/4" (19)	15 (11.0)	700 (0.04)	330 (0.02)	160 (0.01)
48" (1,219)	16' (4.8)	200 (1.0)	16	3/4" (19)	25 (18.5)	1,700 (0.10)	850 (0.05)	450 (0.02)
48" (1,219)	20' (6.0)	200 (1.0)	16	3/4" (19)	25 (18.5)	1,700 (0.10)	850 (0.05)	450 (0.02)
60" (1,524)	20' (6.0)	200 (1.0)	13	3/4" (19)	40 (30.0)	2,200 (0.13)	1,050 (0.06)	600 (0.03)

\*Screw length = 25-ft

\*\* Screw length = 28-ft

# SPECIFICATIONS

## SKID MOUNTED AGGRE-WASHER™ – HORIZONTAL OR INCLINE SCREENS

Screw Diameter inch (mm)	Screen Length ft. (m)	Peripheral Screw Speed FPM (MPS)	Speed RPM	Max. Material Size inch (mm)	Motor Size HP (kw)	Water Capacity - GPM (m³/sec)		
						100 Mesh	150 Mesh	200 Mesh
36" (914)	12' (3.6)	200 (1.0)	20	3/4" (19)	15 (11.0)	700 (0.04)	330 (0.02)	160 (0.01)
36" (914)	16' (4.8)	200 (1.0)	20	3/4" (19)	15 (11.0)	700 (0.04)	330 (0.02)	160 (0.01)
(2) 36" (914)	16' (4.8)	200 (1.0)	20	3/4" (19)	(2) 15 (11.0)	1,250 (0.07)	620 (0.03)	340 (0.02)
44" (1,117)	12' (3.6)	200 (1.0)	17	3/4" (19)	20 (15.0)	1,600 (0.10)	750 (0.04)	425 (0.02)
44" (1,117)	16' (4.8)	200 (1.0)	17	3/4" (19)	20 (15.0)	1,600 (0.10)	750 (0.04)	425 (0.02)
(2) 44" (1,117)	16' (4.8)	200 (1.0)	17	3/4" (19)	(2) 20 (15.0)	2,800 (0.17)	1,400 (0.08)	675 (0.04)
44" (1,117)	20' (6.0)	200 (1.0)	17	3/4" (19)	20 (15.0)	2,800 (0.17)	1,400 (0.08)	675 (0.04)
(2) 44" (1,117)	20' (6.0)	200 (1.0)	17	3/4" (19)	(2) 20 (15.0)	2,800 (0.17)	1,400 (0.08)	675 (0.04)
(2) 48" (1,219)	16' (4.8)	200 (1.0)	16	3/4" (19)	(2) 25 (18.5)	1,700 (0.10)	850 (0.05)	450 (0.02)
(2) 48" (1,219)	20' (6.0)	200 (1.0)	16	3/4" (19)	(2) 25 (18.5)	1,700 (0.10)	850 (0.05)	450 (0.02)
48" (1,219)	16' (4.8)	200 (1.0)	16	3/4" (19)	25 (18.5)	1,700 (0.10)	850 (0.05)	450 (0.02)
54" (1,371)	16' (4.8)	200 (1.0)	15	3/4" (19)	30 (22.0)	1,900 (0.11)	950 (0.05)	575 (0.03)
(2) 54" (1,371)	20' (6.0)	200 (1.0)	15	3/4" (19)	(2) 30 (22.0)	1,900 (0.11)	950 (0.05)	575 (0.03)
60" (1,524)	16' (4.8)	200 (1.0)	13	3/4" (19)	40 (30.0)	2,200 (0.13)	1,050 (0.06)	600 (0.03)
60" (1,524)	20' (6.0)	200 (1.0)	13	3/4" (19)	40 (30.0)	2,200 (0.13)	1,050 (0.06)	600 (0.03)