

Eagle Water Scalping-Classifying Tanks

Stationary Units | Portable Units | Semi-Portable Units | Reblending Controls



Designed to remove large volumes of excess water from feed material, the Eagle Water Scalping-Classifying Tank is typically used in such applications as dredging and pumping and with high silt materials. It smooths out feed fluctuations and is key to removing excess sand particles for a consistent, reliable in-spec product.

The Eagle Water Scalping-Classifying Tank has a large settling area which makes it easier to retain fine mesh particles and produce secondary and tertiary products such as masonry/mortar, asphalt, golf and other specialty sands.

MODELS

Stationary Sand Section

A single, dual, or triple Water Scalping-Classifying Tank system discharging into Eagle Single or Double Screw Fine Material Washer unit or units, depending on the number of products to be produced. A complete line of tanks and washers are available for efficient equipment sizing.

Portable Sand Section

An Eagle Water Scalping-Classifying Tank and two Fine Material Washers with support structure/chassis, electrical and piping in a compact, easily maneuvered unit. This does everything that a stationary sand section can do in addition to quick erection and tear down for multi-plant operations.

Semi-Portable Sand Section

An Eagle Water Scalping-Classifying Tank and two Fine Material Washers with support structure, electrical and piping in a compact, sectionalized design. This does everything that a stationary sand section can do, but is designed for installations where height is a concern.

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FEATURES

Tub Construction

- Extra long weirs for maximum product retention
- Adjustable weirs for out of level conditions

Classifying Tank Stations

- Heavy-duty, double acting hydraulic cylinders for accurate valve discharging
- Individual electro-hydraulic valve actuating mechanisms with integral solenoid
- Hydraulic cylinders feature new seal package for unmatched cylinder life
- Long-lasting paddle motors with sealed sensing switches
- Valve and paddle rods feature thick diameter steel
- Individual components simplify troubleshooting and minimize maintenance costs

Hydraulic Power Unit

- Robust hydraulic power unit with long service life
- Vital operating components protected by internal and external filters

Collecting-Blending Flume

- Designed to prohibit product contamination in high tonnage situations
- Flume assemblies are standard with abrasion-resistant metal liners



STATIONARY UNITS & CAPACITIES

	Tank Size (Length x Width)	Maximum Gallons Per Minute Of Slurry At Low Silt Content Allowable In Saving Fine Sand Retained On:		
		100 Mesh	150 Mesh	200 Mesh
Single Tank	20' x 8'	2,300	1,200	700
	24' x 8'	2,800	1,400	800
	28' x 8'	3,200	1,600	900
	32' x 8'	3,500	1,800	950
	24' x 10'	3,500	1,800	950
	28' x 10'	4,100	2,100	1,100
	32' x 10'	4,700	2,400	1,250
	36' x 10'	5,300	2,700	1,400
	40' x 10'	5,900	3,000	1,550
	48' x 12'	8,100	4,200	2,150
Dual Tank	32' x 10'	9,400	4,800	2,500
	36' x 10'	10,600	5,400	2,800
	40' x 10'	11,800	6,000	3,100
	48' x 12'	16,200	8,400	4,300

Shaded area indicates classification zone.

PORTABLE SAND SELECTION UNITS

Tank Size (Length x Width)	Washer Size (Dia. x Length)
24' x 8'	2 x 36" x 25'
28' x 8'	2 x 36" x 25'
32' x 8'	2 x 36" x 25'
32' x 8'	2 x 44" x 32'
32' x 10'	2 x 44" x 32'
36' x 10'	2 x 44" x 32'
40' x 10'	2 x 44" x 32'

SEMI-PORTABLE SAND SELECTION UNITS

Tank Size (Length x Width)	Washer Size (Dia. x Length)
24' x 8'	2 x 36" x 25'
28' x 8'	2 x 36" x 25'
32' x 8'	2 x 36" x 25'
32' x 8'	2 x 44" x 32'
32' x 10'	2 x 36" x 25'
36' x 10'	2 x 36" x 25'
40' x 10'	2 x 36" x 25'
32' x 10'	2 x 44" x 32'
36' x 10'	2 x 44" x 32'
40' x 10'	2 x 44" x 32'
48' x 12'	2 x 44" x 32'
40' x 10'	2 x 54" x 34'
48' x 12'	2 x 54" x 34'
40' x 10'	2 x 66" x 35'
48' x 12'	2 x 66" x 35'
48' x 12'	2 x 72" x 38'

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