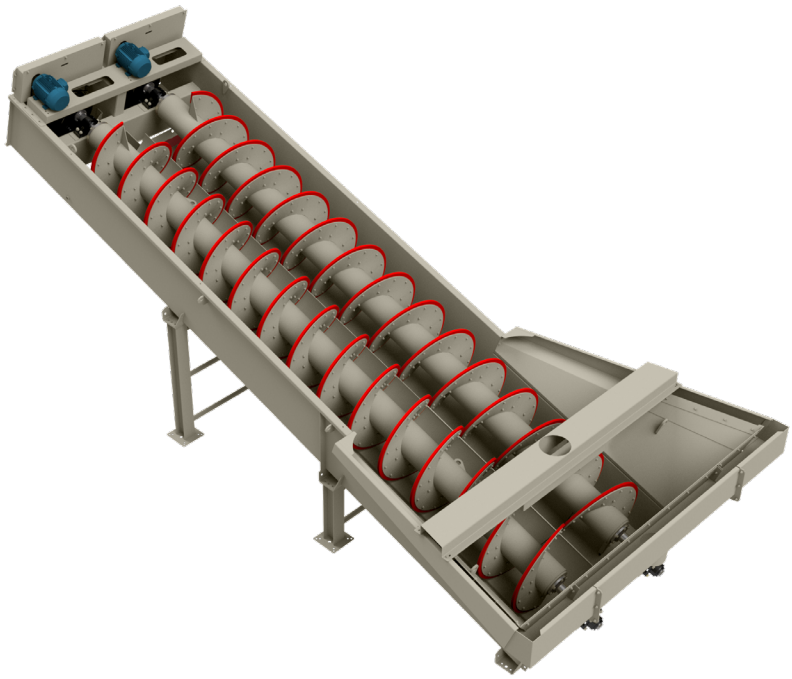
5036-25T
Fine Material Washer



Main Tank
- 3/16" (sides & bottom) and 3/8" (rear end plate) welded plate steel construction
- Curved bottom with integral rising current manifold (4" dia. inlet)
- Large undisturbed pool area
- 19' 9" of adjustable weir boards
- 1" chase water line connection
- Overflow flume with 10" dia. outlet
- 4" dia. tank drain

Spiral Assembly
- Spiral pipe - heavy wall 12" dia.
- Double pitch, solid flight spiral
- Standard AR steel inner wear shoes
- Standard urethane outer wear shoes (cast Ni-Hard outer wear shoes are optional)
- Greaseable, externally mounted Dodge® Imperial E tail end flange bearing
- Greaseable Dodge® Type E pillow block head end bearing
- Lower end seal - chrome plated stainless steel wear sleeve, water tight bellows type rubber seal and secondary grease seal

Drive Assembly
- High efficiency v-belt drive assembly
- TEFC motor, horsepower dependent upon spiral speed - see "Raking and Overflow Capacity Table"
- Dodge® TA-II double reduction shaft mount reducer

Center Feed Box
- 10" dia feed inlet
- Internally and externally baffled

Discharge Chute (Optional)
- Tapered discharge chute set at 45° angle to grade

Support Assembly (Optional)
- Independent mid and head end support weldments with 6" wide flange columns

Rising Current Accessories (Optional)
- Externally mounted manifold with 4" butterfly flow control valve, 4" swing check valve, 0-100 psi pressure gauge and 1" gate valve and plumbing to the chase water connection

Physical/Operating Characteristics

Dimension	Standard	Metric
Feed Material Size	-3/8"	-9.53mm
Angle of Operation	18.5°	18.5°
Capacity Up To	200 TPH	181 MTPH
Shaft Speed Up To	21 RPM	0.35 Hz
Water Requirements Up To	1,200 GPM	273 m^3/h
Operational Length	27' 6"	8.38m
Operational Width	12' 9"	3.89m
Operational Height	12' 3"	3.73m
Approximate Dead Load	16,500lb	7,484kg
Approximate Live Load	58,700lb	26,626kg
Approximate Total Load	75,200lb	34,110kg

Physical/Operating Characteristics

100 Mesh	150 Mesh	200 Mesh
1,200 GPM	600 GPM	300 GPM

Raking and Overflow Capacity Table

Capacity	Screw Speed	Spiral Speed	Minimum Motor HP Required
200 TPH	100%	21 RPM	15
150 TPH	75%	15 RPM	10
100 TPH	50%	12 RPM	7.5
50 TPH	25%	6 RPM	5

Percent Screw Speed Vs. Percent Fines In Product

Screw Speed	% Passing (50 Mesh)	% Passing (100 Mesh)	% Passing (200 Mesh)
100%	15	2	0
75%	20	5	0
50%	30	10	3
25%	50	25	8

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