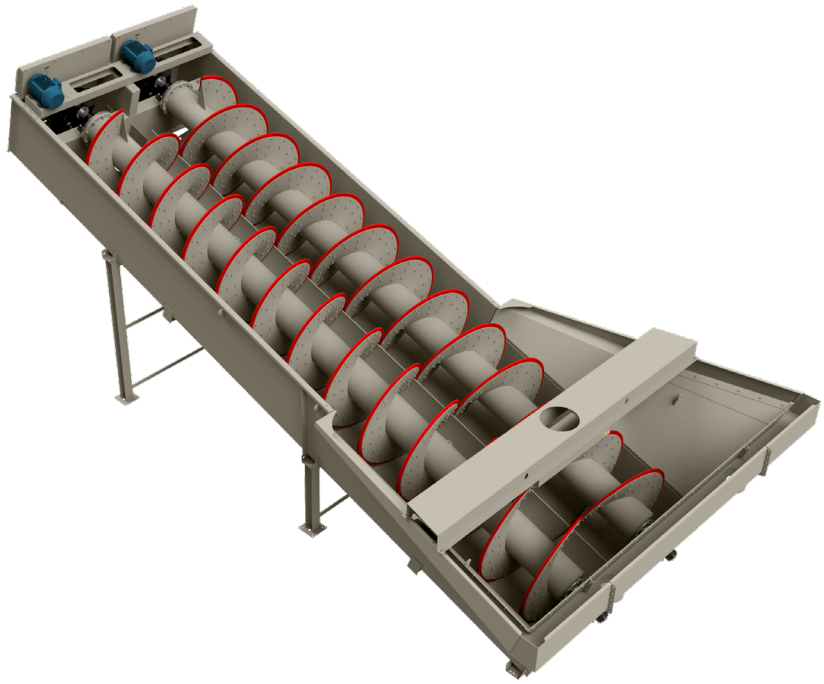
5060-35T
Fine Material Washer



Main Tank
- 1/4" (sides & bottom) and 3/8" (rear end plate) welded plate steel construction
- Curved bottom with integral rising current manifold (6" dia. inlet)
- Large undisturbed pool area
- 31' 6" of adjustable weir boards
- 1-1/2" chase water line connection
- Overflow flume with 12" dia. outlet
- 4" dia. tank drain

Spiral Assembly
- Spiral pipe - heavy wall 20" dia.
- Double pitch, solid flight spiral (one right hand, one left hand)
- 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 (One Drive Assembly Per Spiral)
- 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
- 20-1/2" 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 6" butterfly flow control valve, 6" swing check valve, 0-100 psi pressure gauge and 1-1/2" 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	650 TPH	590 MTPH
Shaft Speed Up To	13 RPM	0.22 Hz
Water Requirements Up To	3,600 GPM	818 m^3/h
Operational Length	38' 9"	11.81m
Operational Width	20' 2"	6.15m
Operational Height	17' 4"	5.28m
Approximate Dead Load	52,000lb	23,587kg
Approximate Live Load	135,600lb	61,507kg
Approximate Total Load	187,600lb	85,094kg

Physical/Operating Characteristics

100 Mesh	150 Mesh	200 Mesh
3,600 GPM	1,800 GPM	950 GPM

Raking and Overflow Capacity Table

Capacity	Screw Speed	Spiral Speed	Minimum Motor HP Required
650 TPH	100%	13 RPM	30
500 TPH	75%	9 RPM	25
330 TPH	50%	5 RPM	20
170 TPH	25%	3 RPM	15

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.