

SOL-CLAY WASHERS

EIW Sol-Clay Washers provide an economical, aggressive scrubbing unit that falls between the capabilities of the Eagle Coarse Material Washer and the Eagle Log Washer. They are highly effective in cleaning materials that contain large quantities of stubborn soluble clays.

Each unit employs intermeshing corrugated paddles that run the entire length of the shafts. As the paddles cut and move the material forward, particle-on-particle scrubbing occurs. Softer clays are broken down into a soluble slurry through the abrading and grinding action of harder, sound product material. Water can be added through the perforated manifold to assist in flushing dissolved materials through the side discharge gates. Material processed by the washer should be followed by a rinsing screen to remove film and residual matter from the final product.

The tubs are fabricated from thick gauge steel and feature spherical-roller rear grease bearings. Each washer includes a rising current manifold and flanged overflow gates to control water depth within the tub. Flanged clean-out ports are also incorporated for maintenance and winterization. Optional equipment includes a discharge chute, safety cover and pillow block rear bearings.



Optional Features

- Discharge Chute | Washer Supports
 - Pillow Block Rear Bearing(s)
- Note:** 44" Single & Double Coarse Material Washers feature formed steel spirals and paddle hubs which are welded to the shaft.

Design Features

Eagle Gear Reducer designed and built at Eagle facilities	High grade, one piece, thick walled steel tubing
Heavy-duty design with heat-treated helical gears	Paddle mounting spuds and flanged ends submerged arc welded
100% of the shaft's thrust load carried by the output shafts	Replaceable Eagle Armor scrubbing paddles, 600 Brinell hardness
Oil bath lubrication for maintenance-free operation	Corrugated face for additional scrubbing capabilities
Intermeshing shafts provide maximum rock-on-rock scrubbing	Three bolt fastening system provides solid connection to mounting spuds

EAGLE IRON WORKS

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Size (Dia. x Length)	Maximum Capacity	Maximum Material Size	Water Required	Electric Motor	Shaft (RPM)	Machine Wt. Empty	Machine Wt. Operating
24" x 18' (609 mm x 5.4 m)	30 to 60 STPH (27 to 54 MTPH)	2" (50 mm)	25 to 250 USGPM (5.6 to 56.7 m ³ /hour)	40 HP (30 kW)	48	9,000 lb (4,082.3 kg)	17,700 lb (8,028.5 kg)
36" x 25' (914 mm x 7.6 m)	50 to 125 STPH (45 to 112.5 MTPH)	2.5" (63 mm)	50 to 500 USGPM (11.3 to 113.5 m ³ /hour)	60 to 75 HP (45 to 56 kW)	32	22,600 lb (10,251.1 kg)	40,800 lb (18,506.5 kg)
36" x 30' (914 mm x 9.1 m)	50 to 125 STPH (45 to 112.5 MTPH)	2.5" (63 mm)	50 to 500 USGPM (11.3 to 113.5 m ³ /hour)	75 to 100 HP (56 to 75 kW)	32	25,800 lb (11,702.6 kg)	53,600 lb (24,312.5 kg)
38" x 30' (965 mm x 9.1 m)	60 to 140 STPH (54 to 126 MTPH)	2.5" (63 mm)	50 to 500 USGPM (11.3 to 113.5 m ³ /hour)	75 to 100 HP (56 to 75 kW)	32	27,000 lb (12,246.9 kg)	54,800 lb (24,856.8 kg)



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