



### SOL-CLAY WASHERS

Eagle Sol-Clay (Soluble Clay) Washers provide an economical aggressive scrubbing unit that falls between the capabilities of the Eagle Coarse Material Washer and the Eagle Log Washer. The Eagle Sol-Clay unit is very effective in cleaning materials that contain large quantities of stubborn soluble clays.

The Eagle Sol-Clay Washer employs intermeshing corrugated paddles that run the entire length of each shaft. As the paddles cut and move the material forward, particle on particle scrubbing is achieved. The softer clays are broken down into a soluble slurry by the abrading and grinding of the harder sound product material. Water can be added to the perforated manifold to assist in the flushing of dissolved materials through the side discharge gates. Material from the Sol-Clay Washer should be followed by a rinsing screen to remove film and residual matter from the product.

Eagle Sol-Clay washer tubs are fabricated from thick gauge steel and feature spherical-roller rear grease bearings. It features a rising current manifold and flanged overflow gates to control the depth of the water in the tub. Flanged clean-out ports are also incorporated into the design for maintenance and winterization purposes. Optional equipment such as a discharge chute, safety cover and pillow block rear bearings are also available.

#### OPTIONAL EQUIPMENT

**Discharge Chute | Washer Supports | Safety Covers | 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 & built at Eagle facilities
- Heavy-duty design with heat-treated helical gears
- 100% of the shaft's thrust load carried by the output shafts
- Oil bath lubrication for maintenance-free operation
- Drive guards standard equipment

#### Conveyor Shafts

- Intermeshing shafts provide maximum rock on rock scrubbing
- Feature high grade, one piece, thick walled steel tubing
- Paddle mounting spuds and flanged ends submerged arc welded

#### Scrubbing Paddles

- Replaceable Eagle Armor scrubbing paddles, 600 Brinell hardness
- Feature corrugated face for additional scrubbing capabilities
- Three bolt fastening system provides solid connection to mounting spuds

Sol-Clay Washers							
Size (Dia. x Length)	Maximum Capacity	Max 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 <sup>3</sup> /hour)	40 HP (30 kW)	48	9,000 lb (4082.3 kg)	17,700 lb (8028.5 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 <sup>3</sup> /hour)	60 to 75 HP (45 to 56 kW)	32	22,600 lb (10251.1 kg)	40,800 lb (18506.5 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 <sup>3</sup> /hour)	75 to 100 HP (56 to 75 kW)	32	25,800 lb (11702.6 kg)	53,600 lb (24312.5 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 <sup>3</sup> /hour)	75 to 100 HP (56 to 75 kW)	32	27,000 lb (12246.9 kg)	54,800 lb (24856.8 kg)

