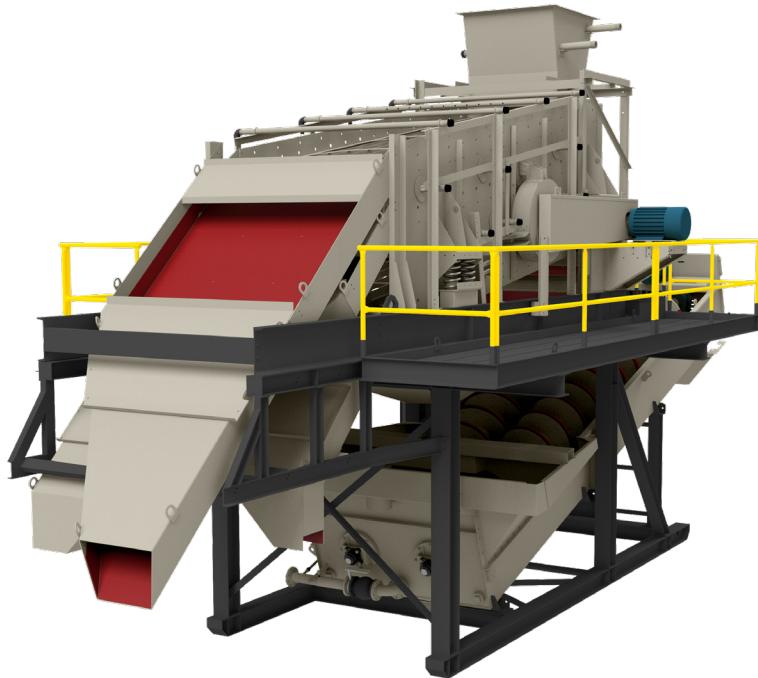


1822S

Screening/Washing Plant



Screen

- 6 x 16 ft (1,830 mm x 4,880 mm) vibrating screen
- 10° screen decline angle
- 5/16 in (8 mm) steel side plates
- Huck® bolt assembly
- Single eccentric shaft with bolt-in counterweights and 160 mm bearings
- Coil spring suspension
- Single crown decks with draw plates for side tension screen wire (wire cloth optional)
- V-belt drive with 40 hp (30 kW) motor

Fine Material Washer

- 5036-25T (36 twin) fine material washer
- Tank is welded steel plate
- Tank has curved bottom with integral rising current manifold with 4-inch diameter ANSI flange inlet
- Large, undisturbed pool area with adjustable weir boards and overflow flume with 10-inch (254 mm) diameter outlet
- Double pitch, solid flight spiral assembly with standard AR steel inner wear shoes and standard urethane outer wear shoes
- Greaseable, externally-mounted Dodge® Imperial® E tail end flange bearing
- Greaseable Dodge pillow block head end bearing
- Lower end seal: chrome-plated stainless steel wear sleeve, water-tight bellows-type rubber seal and secondary grease seal
- V-belt drive assembly (one drive per spiral) includes max 15 hp (11 kW) TEFC motor and Dodge double reduction shaft mount reducer

Structural Support

- Steel support columns and wide-flange skid runners on each side
- Broken down for shipment and match-marked for ease of assembly in the field

Water System

- All fresh water plumbing to a single 8 in NPT inlet located near tail end of the fine material washer
- Fine material washer manifold includes a butterfly valve, swing check valve and pressure gauge
- Chase water plumbing with gate valves
- Screen manifold with flow control valves for each spray bar
- 11 spray bars
- Connection on screen manifold for optional feed box

Screen Chutes/Fines Hopper

- Welded steel plate construction
- Chutes allow for positioning of three radial stackers under the chutes
- Fines hopper transitions to feed box of twin fine material washer

Access

- Access platform with handrails and toeboards across feed end and along both sides of the screen
- Ladder access from grade available on either side of plant

Optional Equipment

- AR or urethane chute and hopper wear liners
- Fixed feed box with header pipes
- Wire mesh or urethane screen media
- Electrical package
- Blending gates
- Stair access in place of ladder access
- Roll-away top and middle deck overs chutes

Physical/Operating Characteristics

| Dimension | Imperial | Metric |
|-----------------------------------|-----------|-----------------------|
| Feed Material Size | 6" minus | 152.4 mm minus |
| Approx. Capacity | 400 TPH | 363 MTPH |
| Water Requirements Up To | 1,200 gpm | 273 m ³ /h |
| Operating Length | 42' 8" | 13 m |
| Operating Width | 16' | 4.9 m |
| Operating Height without Feed Box | 19' 8" | 6 m |
| Operating Height with Feed Box | 23' 8" | 7.2 m |
| Overall Load | 90,000 lb | 40,800 kg |