

Derrick TBSS-125 Separation System



<u>Application</u>	Gravel, sand, & silt separation utilizing ultra-fine mesh screening and hydrocyclones
<u>System Capacity</u>	up to 125 cum/hr / 550 gpm
<u>Base Tank</u>	20' skid mounted, 3 compartment tank, crimped wall construction Floor grating, walkways, handrails, stairway & control panel Shaker & Mud Cleaners are removed for transport
<u>Scalping</u>	Qty (1) Derrick FLC - 423 Double Deck Scalping Shaker Capacity: up to 550 gpm / 125 cum/hr Screen Size/ Upper Deck: 5 -30 Mesh / 4.0 -0.60mm Derrick Urethane "Ultralife Screens" Screen Size / Lower Deck: 20 - 80 Mesh / 0.85 - 0.180mm Derrick Urethane "Ultralife Screens"
<u>Desanding/Desilting</u>	Qty (1) Derrick FLC-2000 4-Panel High "G" Mud Cleaner Equipped with (3) - 10" cones & (20) - 4" cones per mud cleaner Desanding Capacity: 1500 gpm / 340 cum/hr Desanding Cone Cut Point d50: 60 - 80 micron / .06 - .08 mm Desilting Capacity: 1500 gpm / 340 cum/hr Desilting Cone Cut Point d50: 15 - 40 micron / .15 - .40 mm Screen Size: 140 - 210 mesh / 0.106 - 0.075 mm Screen Type: Patented Derrick Pyramid or Pyramid Plus Unit Screening Area: 33.2 sq. ft. Pyramid Screens / 47.6 Pyramid Plus Screens G-Force: 7.4 Continuous Centrifugal Feed Pumps: Qty (2) 8 x 6 x 13 with 75 hp electric motors
<u>Slurry Feed Pump</u>	<u>Not included.</u> Typically supplied with TBM package
<u>Clean Fluid Transfer Pump</u>	<u>Not included.</u> Separate transfer pump required to return clean fluid to TBM slurry tank. Typical installation provides clean fluid over-flow from separation system tank to customer provided volume tank
<u>Electrical Requirement</u>	<u>Not Included.</u> 175 - 225 kW 460/480 volt, 3 phase, 60 Hz
<u>Weights Dimensions</u>	Overall Dimensions Assembled: 8'-6" (W) x 20' (L) x 14' (H) Tank Weight: 27,000 lbs. Primary Shaker Weight: 7,000 lbs Mud Cleaner Weight: 10,000 lbs.