

# Derrick TBSS-225 Separation System



<b><u>Application</u></b>	Gravel, sand, & silt separation utilizing ultra-fine mesh screening and hydrocyclones		
<b><u>System Capacity</u></b>	up to 225 cum/hr / 1000 gpm		
<b><u>Base Tank</u></b>	20' skid mounted, 3 compartment tank, crimped wall construction Floor grating, walkways, handrails, stairway & control panel Shaker & Mud Cleaners are removed for transport		
<b><u>Scalping</u></b>	<b>Qty (1) Derrick Belt Primer</b> <i>Bolted on to the FLC-2000 3 Panel High G Unit</i>		
Capacity:	up to 1000 gpm / 225 cum/hr		
Screen Size:	5 -20 Mesh / 0.50 - 0.250mm		
Screen Type:	Mesh Belt		
<b><u>Primary Screening</u></b>	<b>Qty (1) Derrick FLC-2000 3-Panel High "G" Shaker</b>		
Capacity:	up to 1000 gpm / 225 cum/hr		
Screen Siz:	35 - 60 Mesh / 0.50 - 0.250mm		
Screen Type:	Patented Derrick Urethane or Patented Derrick Pyramid		
Unit Screening Area:	24.9 sq. ft. Pyramid Screens / 35.7 Pyramid Plus Screens (ea. shaker)		
G-Force:	7.0 Continuous		
<b><u>Desanding/Desilting</u></b>	<b>Qty (1) Derrick FLC-2000 4-Panel High "G" Mud Cleaner</b> Equipped with (3) - 10" cones & (20) - 4" cones		
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		
<b><u>Slurry Feed Pump</u></b>	<u>Not included.</u> Typically supplied with TBM package		
<b><u>Clean Fluid Transfer Pump</u></b>	<u>Not included.</u> Separate transfer pump required to return clean fluid Typical installation provides clean fluid over-flow from separation system tank to customer provided volume tank		
<b><u>Electrical Requirement</u></b>	<u>Not Included.</u> 175 - 225 kW 460/480 volt, 3 phase, 60 Hz		
<b><u>Weights &amp; Dimensions</u></b>			
Overall Dimensions Assembled	8'-6" (W) x 20' (L) x 14' (H)	Tank Weight	27,000 lbs.
Primary Shaker Weight	10,000 lbs.	Mud Cleaner Weight	10,000 lbs.