

STANDARD SPECIFICATIONS

**MODEL PCP-832-T36  
PORTABLE CLASSIFICATION PLANT**

GreyStone Model PCP-832-T36 portable classification plant complete as follows:

A. Classification tank

8' x 32' Aggre-Spec sand classifier complete as follows:

1. Fabricated of ASTM A36 certified structural steel
2. Aggre-spec I solid state "percentage control"
3. Urethane discharge valves, seats & directional elbows
4. Built-in three cell ABR lined collecting/blending flume for two controlled products and one waste product
5. Stainless steel hydraulic cylinders, shaft tubing and fittings
6. Commercial sealed "off-the-shelf" sensing units
7. Commercial "off-the-shelf" 3 HP hydraulic power pad
8. Conveyor shafts with replaceable "rock grade" steel backed adjustable rubber wear shoes
9. External "off-the-shelf" pillow block bearings
10. Heavy duty rubber seal (pipe wiper) used to seal lower tub end
11. Waste collecting flume
12. Fresh water piping
13. Valve bridge railings with walkway along collecting/blending flume sampling stations with ladders
14. Motor control with all circuits wired, including classifier control circuit with "quick disconnects"

B. GreyStone twin 36" x 28" fine material dewatering screw complete with:

1. (2) 15 HP electric motors, 3 phase, 230/460 volt
2. (2) shaft mounted gear reducers
3. V-belt drive
4. V-belt guard
5. 10 3/4" heavy duty screw shaft
6. Weld-on type solid spiral flights
7. 1" thick rock grade rubber wear shoes
8. Heavy duty screw tub with rising current belly pan
9. Flared tub wings with adjustable overflow weirs
10. Overflow flume
11. External pillow block bearing on both ends of screw shaft

12. Heavy duty tub shaft seal with stainless steel wear sleeve
13. Adjustable clearance of screw shaft to belly pan
14. Discharge chute

C. Portable trailer assembly complete as follows:

1. Heavy duty "I" beam main frame rigid bracing
2. Gooseneck with fifth wheel and king pin assembly
3. Dual tandem axle assembly with (8) 1100 x 22.5 tires & wheels
4. Air brakes
5. (4) 20 ton integral screw jacks with pin height adjustment
6. Brake, tail and directional lights

OPTIONS:

A. Three (3) cells of rising current classifiers (RCC) used to improve the classification of the particles settling at the first three discharge stations of the classifier. Includes grates, control valves and inlet manifold.

B. One recirculating pump for supplying 900 GPM of water to the above 3RCC. Includes V-belt drive, guard and 10 HP motor with manifold to interconnect the pump to the RCC manifold