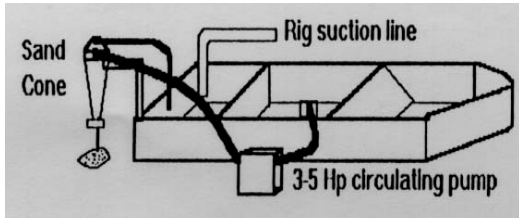




SAND CONE

Cuttings or solids held in suspension in drilling mud significantly influence the life of pumps, swivels, and hoses. These abrasive particles can be removed by using a sand cone (desander) working in conjunction with good drilling mud characteristics. Mud mixed to a Marsh Funnel viscosity of 34 to 36 seconds can carry cuttings from the hole. Hydrating 50 pounds of EXTRA HIGH YIELD™ GEL in 300 gallons of make-up water then adding 1 quart in UNI-DRILL® is an excellent starting recipe. As drilling begins, the desander is activated to “cyclone” the mud, dropping out sand that would otherwise be recirculated.



The large cuttings drop into the mud pit and the desander can mechanically remove the sand particles that remain in the system. Clean mud has a greater carrying capacity than mud already laden with solids.

SPECIFICATIONS 5" DESILTER CONE

Wt. Per Complete Unit Lbs.	Inside Diameter Inches	Capacity 75 Feet of Head GPM
37	4 – 7/8	80



Each 5" hydrocyclone handles 80 GPM and can be expected to make a 15 micron and larger separation provided the correct feet of head is applied. For optimum performance of the Desanding Cone, pumping equipment should be capable of providing 80 GPM at the proper operating pressures for the mud weight of the fluid to be circulated.

Please refer to the below chart for optimum operating pressure as related to mud weight.

Mud Weight	Specific Gravity of Mud	Proper Operating Pressure (PSI)
8.33	1.00	32
9.0	1.08	35
10.0	1.20	39
11.0	1.32	43
12.0	1.44	47
13.0	1.56	50
14.0	1.68	54
15.0	1.80	58