



RCP AGITATORS

The Global Drilling Solutions Inc AGITATORS serve an important role in the surface treatment of drilling fluids. Using an impeller mixer that promotes both axial and radial flow lowers mud costs and improves the overall mud properties.

Properly sized agitators serve three purposes:

1. Ensure Homogeneous Fluid Mixture
2. Providing a Uniform Suspension
3. Prevent Solids Settling



Sizing the agitator is of great importance to avoid any solids settling and gelling of the Drilling Fluid. Tank dimensions, expected Mud Weight and Tank Compartment location (i.e. Suction Tank) will provide the basis to calculate the required Turn Over Rate (TOR). The TOR value of 50-65 will be suitable for most compartments except the Suction Tank which will require a TOR value of 65-80 to minimize aeration of the mud.

The RCP Agitators models can be outfitted with either *Flat blade* or *pitched blade* turbine impellers.



MODEL			
MODEL #	IMPELLER SIZE	MOTOR Hp	Notes
RCP-3.5	16"	5	Single Impeller
RCP-5.5	20"	7.5	Single Impeller
RCP-7.5	31-1/2"	10	Double Impeller
RCP-11	36"	15	Double Impeller
RCP-15	36"	20	Double Impeller

SPECIFICATION SUMMARY

Motor Specification:

- 460V / 60Hz or 380V / 50Hz
- Explosion Proof, Class I, Group D, Div 1

